

PCE

Connection
to the future

2016
2017



Industrial Plugs and Sockets

2016/17

MADE IN AUSTRIA



PC ELECTRIC GesmbH / 4973 St. Martin i.L. / Austria

PCE

Connection
to the future

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PC ELECTRIC GMBH



Connection
to the future

PCE is a world leader in the development and production of industrial plugs and sockets with an export share of over 80%!

Since its founding in 1973 the company continued to develop and to become an international group of companies.

PCE offers a wide range of high quality products for various applications in the electrical installation sector. The range is constantly updated and currently includes approximately 22.000 items. In addition to our standard products PCE is able to produce customer-specific configurations on modern injection molding and metal processing plants within a few days.

High level of quality (ISO 9001:2008 Certification), flexibility and constant innovation of products and processes are among the most important factors of our successful customer-oriented strategy.

Speed is top priority! Rapid delivery times and reliability through efficient manufacturing methods and uncomplicated order processing have been appreciated by our customers for years.

Continuous innovation of products and processes paired with the close cooperation with our customers makes PCE a strong, worldwide partner for the professional use of industrial plugs and sockets in electrical installation!

**The following subsidiaries are also
production sites:**

PC POLSKA, Dzierzoniow, Poland

PCE MERZ, Gaildorf, Germany

PCEL, Sri Lanka

BRANDT GESMBH, Inzersdorf, Austria

WINKLER GMBH, Ingolstadt, Germany

MOSER Systemelektrik, Gaildorf, Germany



Mobile power distributors

Testing technology

Sheet metal technology



Switch to Quality!



The company **Merz GmbH** is a global acting manufacturer in the field of mobile power distributors, testing technology, sheet metal equipment and switchgear.

- Assemblies for Construction Sites
- Event Distributor
- Underfloor Distributors



- Test panels
- Stationary test and workstation systems
- Mobile test systems

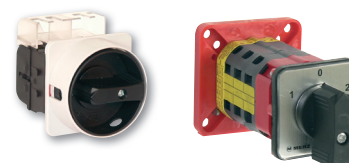


- Sheet metal parts according to customer
- MERZBOX
- Balcony cladding



Switchgear

- Cam switchers
- Disconnect Switches
- DC-switches



The **Winkler GmbH** specializes in manual and electric systems up to 4000A, which are manufactured for industry and public buildings up to large-scale industry.

The company **Moser Systemelektrik** is specialized in underground energy systems and connection columns.





QUALITY MANAGEMENT

- Production according to international standards (ISO 9001:2008 Certification)
- High quality

RESEARCH & DEVELOPMENT

- Cost-effective and innovative manufacturing
- Numerous patent applications



CUSTOMER FOCUS

- Reliable service
- Perfect price-performance
- Functional design
- Tailor-made solutions
- Short delivery times

GLOBAL PRESENCE

- >80% export
- Global alliances
- Fast and reliable network structures



Information

CERTIFICATION ACCORDING TO ISO 9001 : 2008

The PCE quality management system has been certified according to the standard ISO 9001 : 2008!

CE-MARKING - LOW VOLTAGE GUIDELINE



Purpose:

- mainly a symbol for free trade in the European Community,
- if a product has been traded legally in one of the member countries, it can be traded legally in the whole Community,
- no quality mark or grade labelling,
- no sign of conformity to standards; to a certain extent a safety mark, because it indicates the compliance to the fundamental safety requirements.

The guidelines determine only basic requirements the products have to meet.

The essential points for the CE-identification are:

- it is obligatory for the producer or the EEC importer to put on the CE-identification label,
- the producer, EEC-importer must hold the engineering data for the disposal of the authorities.
- standard marks of conformity are permissible besides the CE-identification - but no longer necessary.

Applicable directives:

RoHS DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

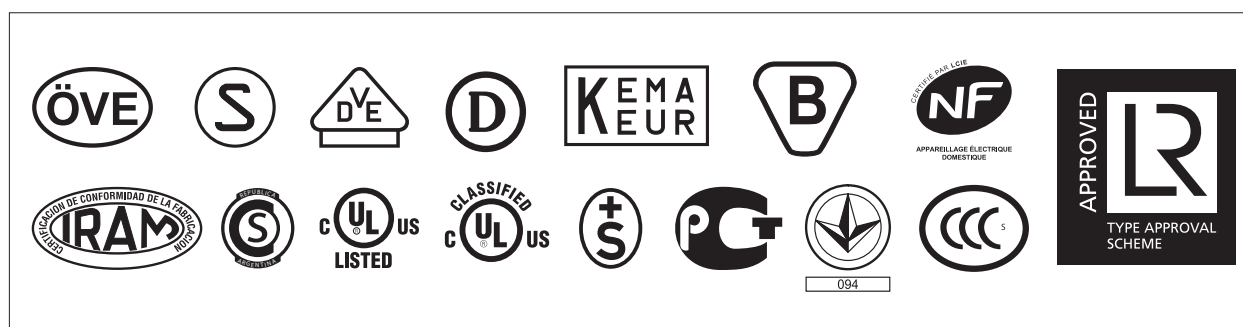
EMC DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility

LVD DIRECTIVE 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits



APPROVALS - THE QUALITY MARKS

There has been created a CCA-method (CENELEC Certification Agreement) for mutual recognition of national approvals. PCE has tested all important products according to this method. An outline of certificates obtained is listed below for reference:



CEE and IEC

The term „CEE“ generally refers to Industrial Plugs and Sockets that comply with International Standard IEC 60309. CEE is the abbreviation of „International Commission on rules for the approval of Electrical Equipment“.

CONFORMITY TO STANDARDS

CEE plugs and sockets are internationally normalized by **IEC 60309-1** and **IEC 60309-2** equivalent to the European Norms **EN 60309 part 1** and **EN 60309 part 2**.

IEC is the „International Electrotechnical Commission“ - which is the world organization for international standardization of electrical equipment:

CENELEC

European Committee for Electrotechnical Normalization - members are the national electrotechnical committees from Austria, Belgium, Bulgaria, Czech Republic, Croatia, Cyprus, Denmark, Germany, Estonia, Finland, France, Greece, Hungary, Ireland, Iceland, Italy, Latvia, Lithuania, Luxemburg, Malta, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Slovakia, Sweden, Switzerland, Spain, Turkey and the United Kingdom.

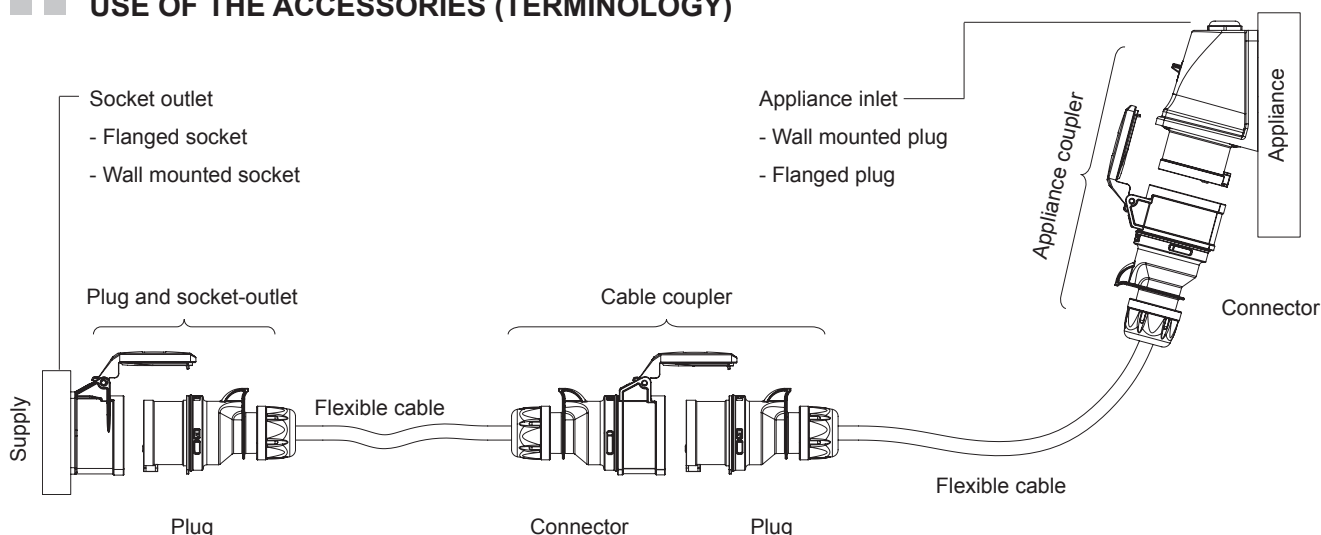
SYSTEM

The standard CEE plugs and sockets according to EN 60309 respectively IEC 60309 are designed in their main dimensions in a way that plugs and sockets with the same rated currents, nominal working voltage ranges, the same number of poles and frequency of different producers are compatible.

In order to prevent the insertion of plugs and sockets of different voltages and frequencies, 12 positions of the earthing contact are assigned to the polarizing slot of the skirt of a socket.

The number with the following letter „h“ indicates the position of the earth contact tube, comparing the frontside of the socket or connector with the face of a clock. The keyway is situated at 6 o'clock (see page 11).

USE OF THE ACCESSORIES (TERMINOLOGY)



Information

PILOT CONTACT

The pilot contact for levels of current from 63A to 125A is an auxiliary contact – with delayed close when inserted and leading open when pulled – and is used as an electrical interlock. An interlock prevents inserting and pulling under load. CEE connectors and socket-outlets with pilot contact have longer phase contacts and do not guarantee safety from finger-touch. This must be done by an interlock.

As PCE CEE plugs and sockets have sufficient switching capacity, the CEE couplings and socket-outlets are supplied as standard without a pilot contact and shorter phase contact with protection from finger-touch.

Technical data:

Connection type:	Screw terminals
Wire flexible [mm ²]	1 - 2,5
solid [mm ²]	1 - 4
Contact screws [Ncm]	100 Ncm
Rated current	2A

PCS (PILOT CONTACT SYSTEM):

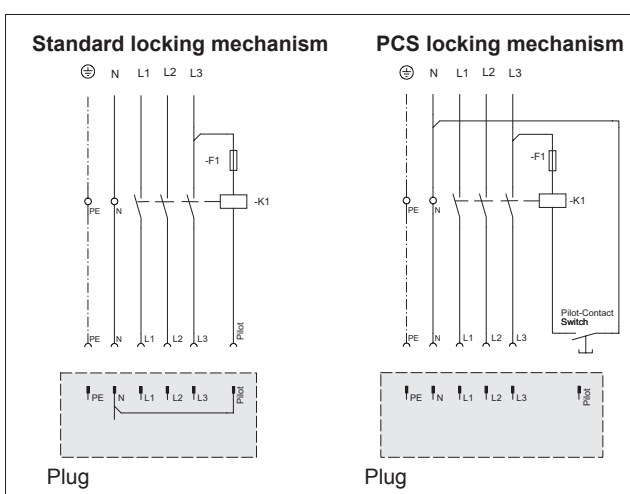
The PCS is a built-in auxiliary contact, used only for 63A and 125A connectors and socket-outlets, for protective electrical interlocking or for additional control purposes, with isolated connection in the socket-outlet. CEE connectors and sockets have longer phase contacts and guarantee no finger protection; this must be fulfilled by a locking.

The PCS provides the following advantages:

- no special cable required for the plug
- isolated inserting and pulling

Technical Datas:

- contacts: silver-coated
- wires: 2x YF 1.5qmm 450mm
- rated current: 2A



TERMINAL CROSS-SECTION, DISMANTLING AND STRIPPING LENGHT

Recommended datas for PCE products

Rated current	Terminal cross-section		Dismantling lenth	Stripping length
	wire flexible [mm ²]	wire solid (single or stranded) [mm ²]		
16A - CEE	1 - 2,5	1 - 4	50	10 - 12
32A - CEE	2,5 - 6	2,5 - 10	50	12 - 14
63A - CEE	6 - 16	6 - 25	100	15 - 18
125A - CEE	16 - 50	16 - 70	100	24 - 27
16/32A - extra low voltage <50V	1 - 10	1,5 - 10	70	14 - 16
P-Nova	1 - 2x2,5	1 - 2x2,5		10
P-Nova (screwless)	1 - 2x2,5	1 - 2x2,5		8 - 14
P-Nova Plus	1 - 2x2,5	1 - 2x2,5		8 - 10
Taurus and TopTaurus plug	0,75 - 2,5		30	7
Taurus and TopTaurus connector	1 - 2,5		30	7
Taurus and Top Taurus 3-way connector	1 - 2,5		30	7
Nautilus plug and connector	1 - 2,5		30	7
Nautilus flanged socket	1 - 2x2,5	1 - 2x2,5		7

POSITION OF THE EARTHING CONTACT ACC. TO IEC 60309-2 – SERIE I

Voltage V	Frequency Hz	2P+E		3P+E		3P+N+E	
		16+32A	63+125A	16+32A	63+125A	16+32A	63+125A
57/100 to 75/130	50 and 60					4	4
100 to 130	50 and 60	4	4	4	4		
120/208 to 144/250	50 and 60					9	9
200 to 250	50 and 60	6	6	9	9		
200/346 to 240/415	50 and 60					6	6
220/380 250/440	50 60					3	3
250/440 to 265/460	60					11	11
277/480 to 288/500	50 and 60					7	7
347/600 to 400/690	50 and 60					5	5
380 to 415	50 and 60	9	9	6	6		
380 440	50 60			3	3		
440 to 460	60			11	11		
480 to 500	50 and 60	7	7	7	7		
600 to 690	50 and 60			5	5		
1000	50 and 60				8		
> 50	100 to 300	10	10	10	10	10	10
> 50	>300 to 500	2	2	2	2	2	2
> 50 to 250	DC	3	3				
> 250	DC	8	8				
supply by isolating transformer	50 and 60	12	12	12	12	12	12
All rated operating voltage and/or frequencies not covered by other configurations.		1	1	1	1	1	1

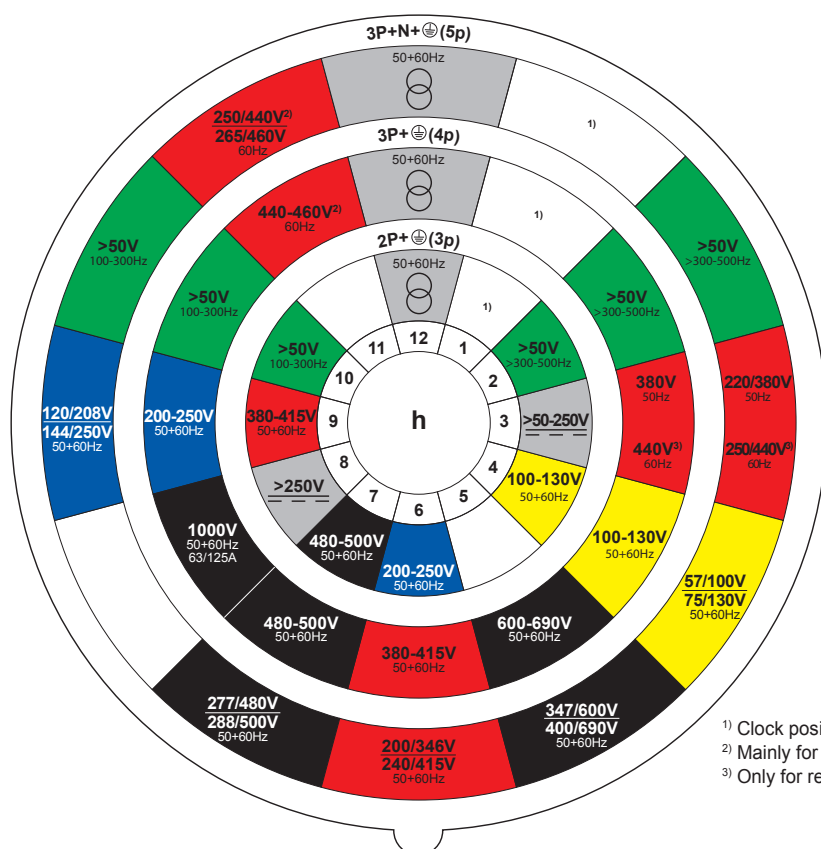
COLOUR CODES

For ease of identification of the various voltages and frequencies all CEE plugs and sockets are colour coded:

Rated operating voltage:	Colour code:
20-25V	violet
40-50V	white
100-130V	yellow
200-250V	blue
380-480V	red
500-1000V	black
> 60-500Hz	green
no colour code	grey

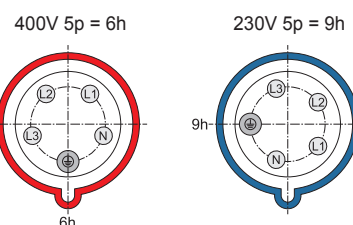
INTERNATIONAL RATING – SERIE I

for appliances >50V – details see table above



Position of the earthing contact.
View: frontside socket or connector

Example:



- 1) Clock position not standardized and free for use for special applications
- 2) Mainly for ship installations
- 3) Only for refrigerated containers

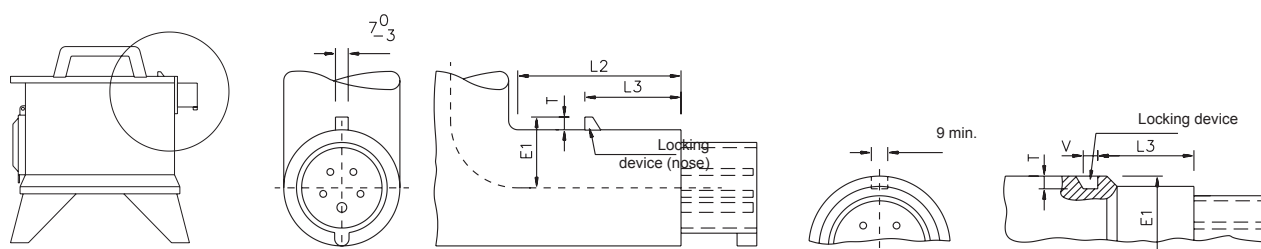
Information

LOCKING DEVICE

A locking device prevents unintended withdrawal by locking the hinged lid in a lug/cavity or a bayonet system with a bayonet ring. According to IEC/EN 60309 the following locking devices have to be provided:

rated current	protection degree	sockets and connectors	plugs and appliance plugs
16A and 32A	IP44	hinged lid	lug/cavity
16A and 32A	IP67	bayonet system	lug/cavity and bayonet ring
63A and 125A	IP67	bayonet system	bayonet ring

Extract from the standard EN60309 for plugs and flanged plugs



Positioning table (in mm):

		E1	L2	L3 (IP44)	L3 (IP67)	T	V
16	3	29-31	≥75	40-41	37-38	≥4	≥8
16	4	33-35	≥80	46-47	43-44	≥5	≥8
16	5	37-39	≥90	52-53	49-50	≥7	≥8
32	3	39-41	≥90	53-54	50-51	≥7	≥8
32	4	39-41	≥90	53-54	50-51	≥7	≥8
32	5	44-46	≥105	58,5-60	55,5-57	≥8	≥9

CONTACTS

The contacts are made of a copper-zinc alloy. The most important features are:

- high electric conducting capacity 15 MS/m / (m/Ω mm²);
- high resistance to extension up to 500 N/mm² (MPa);
- high corrosion resistance in areas of: industrial atmosphere, agriculture , . . .
- with nickel-plated contacts increased corrosion resistance in areas of: seawater, steam, sulphur hydrides, agriculture, dairies.
- conform to RoHS-directiv 2011/65/EU
- PCE sockets 63A and 125A have a CuBe lamellar spring for a well contacting and anti-corrosion contacts.

TEMPERATURES

Ambient temperature: IEC/EN 60309 applies to CEE plugs and sockets which are used at an ambient temperature that does not normally exceed the range from -25°C to +40°C.

Temperature resistance: PCE CEE plugs and sockets themselves have a temperatur resistance of -25°C to +80°C (100°C for 1 hour).

IK-CODE:

The IK code is a coding system according to IEC/EN 50102 respectively IEC/EN 62262, which defines the degree of protection provided by an enclosure against damaging mechanical loads.

Each characteristic numerical group of the IK Code represents a load energy value as per the table:

IK-Code	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Load energy in joule	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20

PLASTIC MATERIAL

Our plugs and sockets are produced from POLYAMIDE 6 as well as PC/ABS. The main characteristics of these materials are:

- excellent impact resistance combined with high rigidity and solidity,
- high thermal stability (self-extinguishing),
- very good insulating qualities,
- high disruptive strength,
- high abrasion resistance,
- high weathering resistance,
- very good chemical resistance to various chemicals,
- free from cadmium and halogen (fluorine, chlorine, bromine, iodine, astatine)
- conform to RoHS-directiv 2011/65/EU

PCE – overview chemical resistance:

Chemicals	Concentration	Resistance	
		PA6	PC/ABS
acetone		+	-
aldehyd		o	-
alcohols		+	+
formic acid	4-5%	-	o
amine		+	-
ammonia	5%	+	o / -
ammonium chloride	35%	+	-
inorganic salts		+	o
benzine		+	+
benzol		+	o
chlorine		o	o
acetic acid	5%	o	+
ester		+	o
ethyl aether		+	o
fats		+	+
hydrofluoric acid		-	o
formaldehyde	5%	+	-
formalin	3-4%	+	-
glycol		o	o
glycerin		+	o

Chemicals	Concentration	Resistance	
		PA6	PC/ABS
potassium hydroxide	50%	o	-
ketone		+	-
fuels		+	o
methane		+	x
petroleums		+	+
sodium chloride		+	+
sodium hydroxide	10%	+	x
sodium hydroxide	2-8%	+	-
nitrobenzene		+	-
oils		+	+
phosphoric acid	10%	-	o
propanol		+	o
nitric acid	2%	-	+
hydrochloric acid	2%	-	o
sulfuric acid	50%	-	+
propellants (propane - butane mixture)		x	-
water		+	+
hydrogen peroxide	30%	o	+
citric acid	20%	o	+

+ resistant o conditionally resistant - not resistant x not specified

The information about the resistance is valid with ambient temperature and can lead in coincidence of different medias to different resistances. These indications do not exempt from own tests to determine the actual suitability of the products for the intended use.

Source: Saechtling Kunststoff pocket book; Carl Hanser Verlag Munich, Vienna; DSM Engineering plastics; PCE internal tests



Information

■ ■ IP (INGRESS PROTECTION)-RATINGS

CEE-plugs and sockets with rated currents 16A, 32A and 63A must meet the system of protection IP44 or IP67; 125A protection degree IP66/67 according to EN 60529.

The degree of protection is tested on sockets and connectors, with and without inserted plug or appliance plug and on plugs and appliance plugs, when fully inserted into the socket or connector.

1st digit	Protection against ingress of solid objects	2nd digit	Protection against penetration of water
2	ø 12,5 mm	0	non protection
3	ø 2,5 mm	3	spraying water at an angle up to 60° from the vertical
4	ø 1 mm	4	splashing water from any direction
5	dustproof	5	water jets from any direction
6	dust-tight	6	strong water jets from any direction
		7	temporary immersion in water under defined pressure and time
		8	continuous submersion in water under defined pressure and time

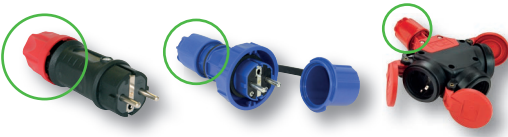
Example: **IP44** = **1st digit** = **4** . protection against solid objects larger than 1mm ø
2nd digit = **4** . protection against splashing water from any direction

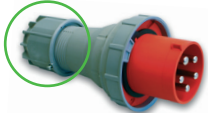
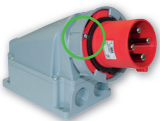
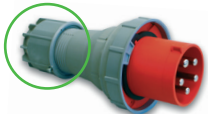
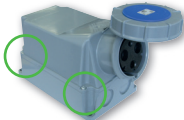
If the system allows plugs of a certain IP rating to be introduced into socket-outlets having another IP rating, attention should be drawn to the fact that the resulting degree of protection of the combination plug/socket-outlet is the lower of the two.

Explanation for double marking IP66/67 and IP66/68:

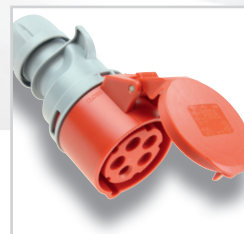
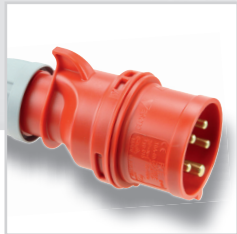
According to IEC 60529, an accessory designated with second characteristic numeral 7 or 8 is only suitable for immersion. For protection against exposure to water jets, additional testing is required according to second characteristic numeral 5 or 6 and then the product should be marked accordingly.

■ ■ TORQUES FOR PCE PRODUCTS

Rated current	Series		Torques [Ncm]
Safety plugs & connectors	Cable gland (Top Taurus, Nautilus)		400
16A - CEE	Cable gland		500
	Housing screws		110
	Connecting screws		110
	Cable gland <50V		600

Rated current	Series		Torques [Ncm]
32A - CEE	Cable gland		600
	Housing screws		110
	Connecting screws		110
	Cable gland <50V		600
63A - CEE	Cable gland		1300
	Connecting screws		200
	Housing screws		200
	Connecting screws		200
125A - CEE	Cable gland		1400
	Connecting screws		200
	Housing screws		200
	Connecting screws		200





16/32A

LET'S TAKE **TWIST** – IT'S EASY QUICK AND SAFE

■ ■ ■ TWIST / SHARK

Contact screws

- Accessible from one direction
- Captive and open
- With multi-slot

No screws needed to assemble the plug

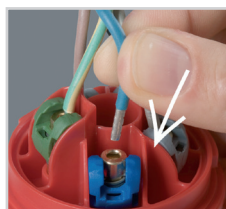
- Multi-ramp quick-lock system
- Easy fitting by twist-lock action → saves your time

Dismantling

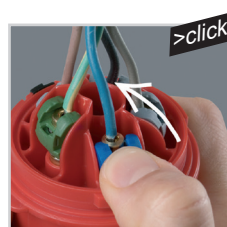
- Simply unlock and twist to open

■ ■ ■ ADVANTAGES OF THE NEW CABLE LOCK GLAND

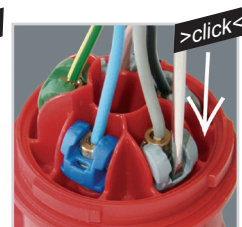
- Saves time
- Simply insertion of the cable in less time
- Strain relief and sealing of the cable by tightening the cable-lock gland
- Usable for all known cable types
- Self-adjusting gasket for different cable diameters
- Maximum cable security



1) Insert wire



2) Close terminal



3) Reopen terminal

Screwless connection technology

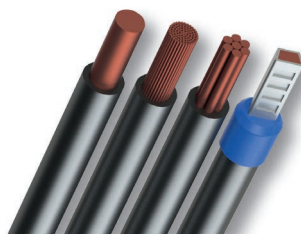
- Time saving
- Screwless TT-terminal (PCE-patent in process)
- Open contact terminals, ready for assembly
- Fast cable installation
- Simple closing and opening just by thumb pressure

For all standard cable diameters

- 16A: up to 2,5mm² flexible, up to 4mm² solid
- 32A: up to 6mm² flexible, up to 10mm² solid

Conductors (stripped)

- flexible with or without end sleeve
- or solid wires



63/125A

SAFETY

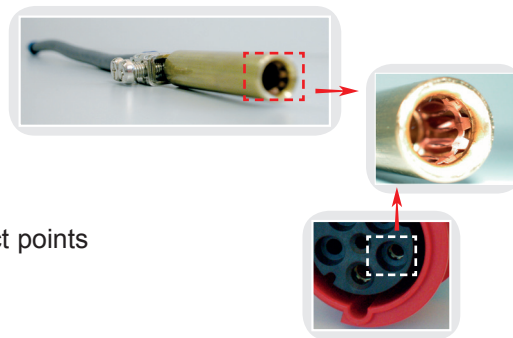
HEAVY DUTY

TIME SAVING

■■■ SAFETY

Lamellar spring

- Low insertion and extraction forces
- Minimum contact resistance
- Self-cleaning
- Optimum contact - at least 10 contact points

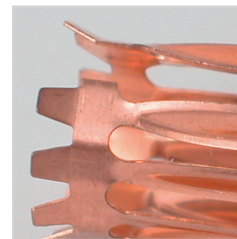


TWIST-cable gland

- Secures the cable firmly in position
- Protects from water and dust
- Safety screw locks the screw cap in position



POWER
TWIST



■■■ HEAVY DUTY

For extreme environments

Exceptional high impact resistance

Extreme heat resistant contact carriers

Anti-corrosion contacts

- offer protection in aggressive atmospheres, e.g. in chemical plants

■■■ TIME SAVING

TWIST-cable gland

Optimum grip

Wide connection space

- fast cable installation

**Open contact terminals,
ready for assembly**

i

⚙️

⚙️

🔒

⚙️

⚙️

⚡

🎤

⚙️

🎮

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INDUSTRIAL PLUGS AND SOCKETS

16A - 125A

Industrial plugs and sockets 16A - 125A



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Angled plugs

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Wall mounted plugs

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Flanged plugs

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Phase inverters

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Accessories

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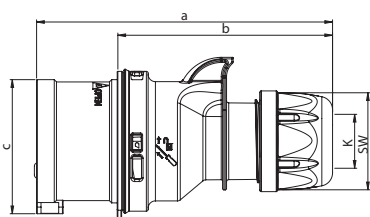


Connectors

52



Plugs

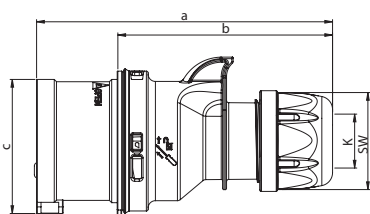


Shark Plug IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	122	128	134	150	150	155
b	86	92	98	104	104	109
c	47	53	61	63	63	70
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	109	128	151	181	201	232

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 015-6v

IP44 splashproof

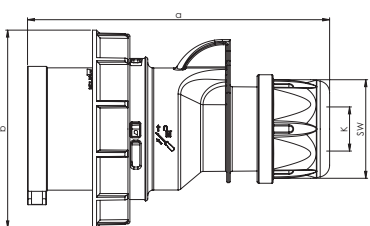


Turbo Shark Plug IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	122	128	134	150	150	155
b	86	92	98	104	104	109
c	47	53	61	63	63	70
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	111	132	156	186	206	241

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 015-6TTv

IP44 splashproof

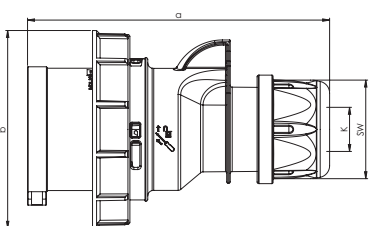


Shark Plug IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	122	128	134	150	150	155
b	71	79	87	93	93	100
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	130	154	183	223	242	276

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 0152-6v

IP66/67 watertight



Turbo Shark Plug IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	122	128	134	150	150	155
b	71	79	87	93	93	100
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	132	157	188	227	246	285

- screwless connection technology
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 0152-6TTv

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

16	3	10	013-4	013-6	013-9	013-7	013-10	013-2
16	4	10	014-4	014-9	014-6	014-7	014-10	014-2
16	5	10	015-4	015-9	015-6	015-7	015-10	015-2
32	3	10	023-4	023-6	023-9	023-7	023-10	023-2
32	4	10	024-4	024-9	024-6	024-7	024-10	024-2
32	5	10	025-4	025-9	025-6	025-7	025-10	025-2



015-6

16	3	10	013-4TT	013-6TT	013-9TT			
16	4	10	014-4TT	014-9TT	014-6TT			
16	5	10	015-4TT	015-9TT	015-6TT			
32	3	10	023-4TT	023-6TT	023-9TT			
32	4	10	024-4TT	024-9TT	024-6TT			
32	5	10	025-4TT	025-9TT	025-6TT			



015-6TT

16	3	10	0132-4	0132-6	0132-9	0132-7	0132-10	0132-2
16	4	10	0142-4	0142-9	0142-6	0142-7	0142-10	0142-2
16	5	10	0152-4	0152-9	0152-6	0152-7	0152-10	0152-2
32	3	10	0232-4	0232-6	0232-9	0232-7	0232-10	0232-2
32	4	10	0242-4	0242-9	0242-6	0242-7	0242-10	0242-2
32	5	10	0252-4	0252-9	0252-6	0252-7	0252-10	0252-2



0152-6

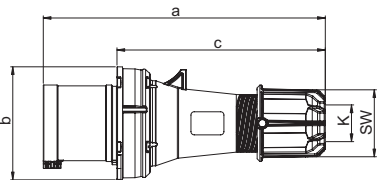
16	3	10	0132-4TT	0132-6TT	0132-9TT			
16	4	10	0142-4TT	0142-9TT	0142-6TT			
16	5	10	0152-4TT	0152-9TT	0152-6TT			
32	3	10	0232-4TT	0232-6TT	0232-9TT			
32	4	10	0242-4TT	0242-9TT	0242-6TT			
32	5	10	0252-4TT	0252-9TT	0252-6TT			



0252-6TT



Plugs

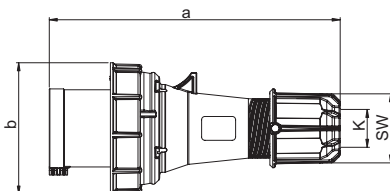


Power Twist Plug IP44

	63 Amp		
Poles	3	4	5
a	257	257	257
b	102	102	102
c	190	190	190
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	530	572	621

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts with pilot contact (see page 10)

IP44 splashproof

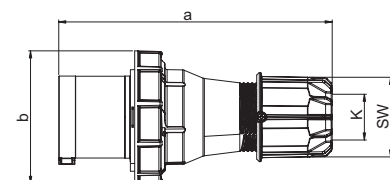


Power Twist Plug IP66/67

	63 Amp		
Poles	3	4	5
a	257	257	257
b	114	114	114
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	570	617	666

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts with pilot contact (see page 10)

IP66/67 watertight



Power Twist Plug IP66/67

	125 Amp		
Poles	3	4	5
a	270	270	270
b	131	131	131
K_cable Ø [mm]	22,5-50	22,5-50	22,5-50
Connection type:	Contact frame with screws		
Wire flexible [mm²]	16-50		
Contact screws [Ncm]	450 Ncm		
SW	81	81	81
Weight [g]	956	1064	1169

- contact frame with hexagon socket screws
- housing material: PA6
- contacts: nickel-plated contacts with pilot contact (see page 10)

IP66/67 watertight

**POWER
TWIST**



■ ■ ■ **Safety**

■ ■ ■ **High impact resistance**

■ ■ ■ **Optimum grip**

■ ■ ■ **Large connection area**

■ ■ ■ **Time saving**

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
63	3	2	0331-4	0331-6	0331-9	0331-7	0331-10	0331-2
63	4	2	0341-4	0341-9	0341-6	0341-7	0341-10	0341-2
63	5	2	0351-4	0351-9	0351-6	0351-7	0351-10	0351-2



0351-6

63	3	2	033-4	033-6	033-9	033-7	033-10	033-2
63	4	2	034-4	034-9	034-6	034-7	034-10	034-2
63	5	2	035-4	035-9	035-6	035-7	035-10	035-2



035-6

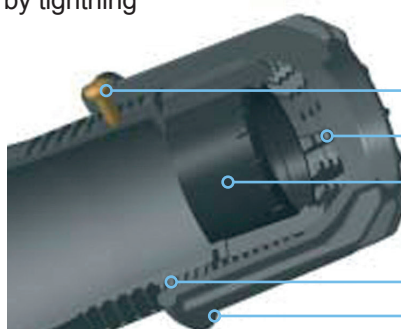
125	3	2	043-4	043-6	043-9	043-7	043-10	043-2
125	4	2	044-4	044-9	044-6	044-7	044-10	044-2
125	5	2	045-4	045-9	045-6	045-7	045-10	045-2



045-6

Time saving:

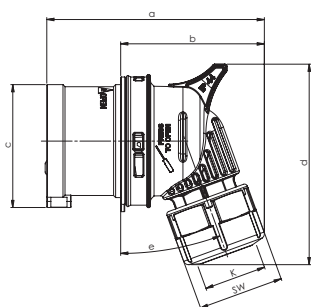
- Simple and fast insertion of the cable
- Strain-relief and sealing of the cable by tightening the cable gland
- All current cables
for 63A from $\varnothing 14,5\text{mm}$ to $\varnothing 36\text{mm}$
for 125A from $\varnothing 22,5\text{mm}$ to $\varnothing 50\text{mm}$
- 100% Tightness of the cable



- **Safety screw**
locks the screw cap in position
- **Strain-relief**
for very high strain
- **Sealing**
protection degree IP66/IP67
- **Acme thread**
for high force
- **Cable gland nut**
optimum grip



Angled plugs

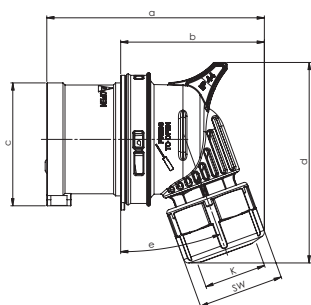


Twist Angled plug IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	96	98	108	127	127	135
b	59	62	71	82	82	90
c	47	53	61	63	63	70
d	82	87	99	111	111	114
e [°]	15	15	20	25	25	25
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	38	38	42	50	50	50
Weight [g]	107	130	155	174	194	236

- with screw terminals
- housing material
16/3 16/4: PA6
16/5 32/3 32/4 32/5: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 8015-6v

IP44 splashproof

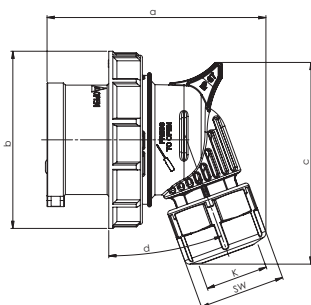


Turbo Twist Angled plug IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	96	98	108	127	127	135
b	59	62	71	82	82	90
c	47	53	61	63	63	70
d	82	87	99	111	111	114
e [°]	15	15	20	25	25	25
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	38	38	42	50	50	50
Weight [g]	110	134	160	179	199	244

- screwless connection technology
- housing material
16/3 16/4: PA6
16/5 32/3 32/4 32/5: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 8015-6TTv

IP44 splashproof

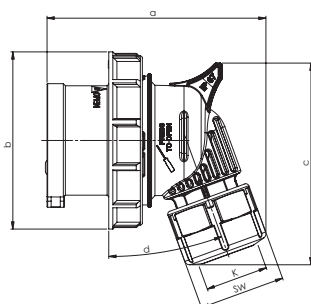


Twist Angled plug IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	96	98	108	127	127	135
b	71	79	87	93	93	100
c	82	87	99	111	111	114
d [°]	15	15	20	25	25	25
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	38	38	42	50	50	50
Weight [g]	128	155	186	215	234	278

- with screw terminals
- housing material
16/3 16/4: PA6
16/5 32/3 32/4 32/5: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 80152-6v

IP67 watertight



Turbo Twist Angled plug IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	96	98	108	127	127	135
b	71	79	87	93	93	100
c	82	87	99	111	111	114
d [°]	15	15	20	25	25	25
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	38	38	42	50	50	50
Weight [g]	130	158	191	219	238	288

- screwless connection technology
- housing material
16/3 16/4: PA6
16/5 32/3 32/4 32/5: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 80152-6TTv

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	10	8013-4	8013-6	8013-9	8013-7	8013-10	8013-2
16	4	10	8014-4	8014-9	8014-6	8014-7	8014-10	8014-2
16	5	10	8015-4	8015-9	8015-6	8015-7	8015-10	8015-2
32	3	10	8023-4	8023-6	8023-9	8023-7	8023-10	8023-2
32	4	10	8024-4	8024-9	8024-6	8024-7	8024-10	8024-2
32	5	10	8025-4	8025-9	8025-6	8025-7	8025-10	8025-2



8013-6

16	3	10	8013-4TT	8013-6TT	8013-9TT			
16	4	10	8014-4TT	8014-9TT	8014-6TT			
16	5	10	8015-4TT	8015-9TT	8015-6TT			
32	3	10	8023-4TT	8023-6TT	8023-9TT			
32	4	10	8024-4TT	8024-9TT	8024-6TT			
32	5	10	8025-4TT	8025-9TT	8025-6TT			



8013-6TT

16	3	10	80132-4	80132-6	80132-9	80132-7	80132-10	80132-2
16	4	10	80142-4	80142-9	80142-6	80142-7	80142-10	80142-2
16	5	10	80152-4	80152-9	80152-6	80152-7	80152-10	80152-2
32	3	10	80232-4	80232-6	80232-9	80232-7	80232-10	80232-2
32	4	10	80242-4	80242-9	80242-6	80242-7	80242-10	80242-2
32	5	10	80252-4	80252-9	80252-6	80252-7	80252-10	80252-2



80142-6

16	3	10	80132-4TT	80132-6TT	80132-9TT			
16	4	10	80142-4TT	80142-9TT	80142-6TT			
16	5	10	80152-4TT	80152-9TT	80152-6TT			
32	3	10	80232-4TT	80232-6TT	80232-9TT			
32	4	10	80242-4TT	80242-9TT	80242-6TT			
32	5	10	80252-4TT	80252-9TT	80252-6TT			

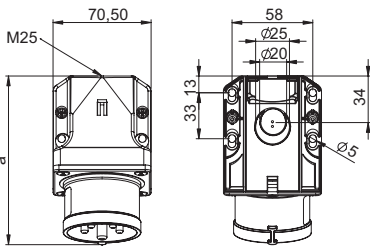


80142-6TT



Wall mounted plugs

Wall mounted plug IP44



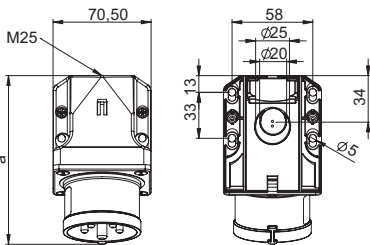
b=height
angle=15°

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	120	121	122	131	131	132
b	76	76	79	82	82	85
M	25	25	25	25	25	25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	173	188	205	212	232	253

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 515-6v
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

Turbo Twist Wall mounted plug IP44



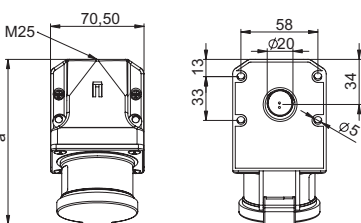
b=height
angle=15°

	16 Amp			32 Amp		
Poles	3	4	5	4	5	
a	120		122	131	132	
b	76		79	82	85	
M	25		25	25	25	
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	176		209	238	261	

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 515-6TTv
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

Wall mounted plug with lid IP44



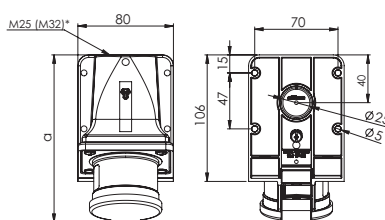
b=height
angle=15°

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	127	128	128	137	137	140
b	92	94	97	99	99	104
M	25	25	25	25	25	25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	230	245	263	272	292	315

- with screw terminals
- with hinged lid, to increase protection
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 515-6dv
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

Wall mounted plug with lid IP44



b=height
angle=15°

	16 Amp			32 Amp		
Pole s			5			5
a			141			151
b			99			112
M*			25			25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]			257			310

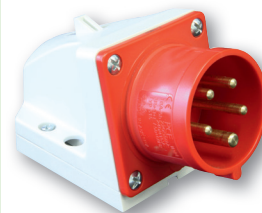
- with screw terminals
- **one-piece housing**
- with hinged lid, to increase protection
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 515-6kdv
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

*M32 optional on request available

			110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

Amp.	Poles	pack. unit						
16	3	10	513-4	513-6	513-9	513-7	513-10	513-2
16	4	10	514-4	514-9	514-6	514-7	514-10	514-2
16	5	10	515-4	515-9	515-6	515-7	515-10	515-2
32	3	10	523-4	523-6	523-9	523-7	523-10	523-2
32	4	10	524-4	524-9	524-6	524-7	524-10	524-2
32	5	10	525-4	525-9	525-6	525-7	525-10	525-2



515-6

16	3	10	513-4TT	513-6TT	513-9TT			
16	5	10	515-4TT	515-9TT	515-6TT			
32	4	10	524-4TT	524-9TT	524-6TT			
32	5	10	525-4TT	525-9TT	525-6TT			



515-6TT

16	3	10	513-4d	513-6d	513-9d	513-7d	513-10d	513-2d
16	4	10	514-4d	514-9d	514-6d	514-7d	514-10d	514-2d
16	5	10	515-4d	515-9d	515-6d	515-7d	515-10d	515-2d
32	3	10	523-4d	523-6d	523-9d	523-7d	523-10d	523-2d
32	4	10	524-4d	524-9d	524-6d	524-7d	524-10d	524-2d
32	5	10	525-4d	525-9d	525-6d	525-7d	525-10d	525-2d



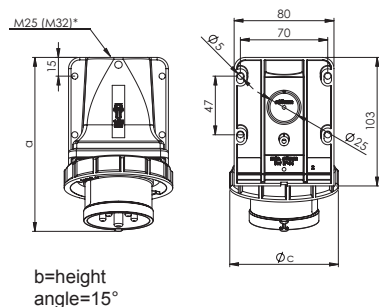
515-6d

16	5	10	515-4kd	515-9kd	515-6kd	515-7kd	515-10kd	515-2kd
32	5	10	525-4kd	525-9kd	525-6kd	525-7kd	525-10kd	525-2kd



525-6kd

Wall mounted plugs



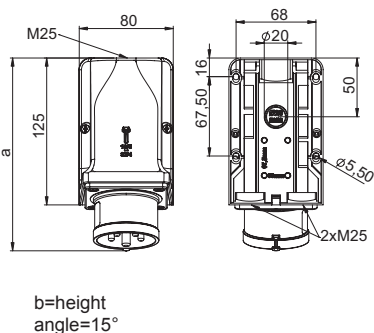
Wall mounted plug IP67

	16 Amp			32 Amp		
Poles	3	4	5	4	5	
a	136	138	140	150	153	152
b	99	94	100	104	104	102
c	71	79	87	93	93	102
M	25	25	25	25	25	25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	200	223	242	260	280	306

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a „v“ e.g. 5152-6kv
- top, or rear entry

IP67 watertight

*M32 optional on request available

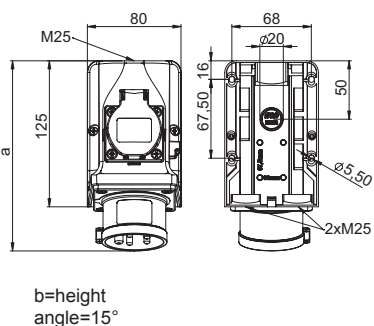


Wall mounted plug IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	163	163	164	173	173	174
b	109	109	112	115	115	118
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	263	278	295	302	322	341

- with screw terminals
- for wiring through
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9515-6v
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof

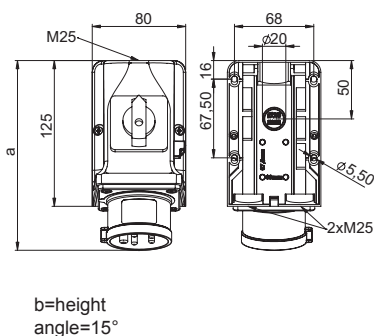


Wall mounted plug - COMBO IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	162	162	163	172	172	173
b	117	117	117	117	117	118
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Weight [g]	367	382	399	422	442	463

- with screw terminals
- wall mounted plug with integrated safety socket acc. Austr./Germ. system
- connecting terminals up to 10mm²
- **ready wired**
- for plug 32A the safety socket is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 95215-6v
- top, 2x bottom or rear entry
- incl. threaded cable grommet
- special design with Belg./French socket outlet or non wired version are available on request

IP44 splashproof



Wall mounted plug with switch IP44

	16 Amp	32 Amp
Poles	5	5
a	163	173
b	128	128
M	3x25	3x25
Connection type:	Screw terminal	
Wire flexible [mm ²]	1-2,5	2,5-6
solid [mm ²]	1-4	2,5-10
Weight [g]	474	522

- with screw terminals
- wall mounting plug with integrated ON/OFF switch AC22A
- **prewired**
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 75615-6v
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	5	5132-4k	5132-6k	5132-9k	5132-7k	5132-10k	5132-2k
16	4	5	5142-4k	5142-9k	5142-6k	5142-7k	5142-10k	5142-2k
16	5	5	5152-4k	5152-9k	5152-6k	5152-7k	5152-10k	5152-2k
32	3	5	5232-4k	5232-6k	5232-9k	5232-7k	5232-10k	5232-2k
32	4	5	5242-4k	5242-9k	5242-6k	5242-7k	5242-10k	5242-2k
32	5	5	5252-4k	5252-9k	5252-6k	5252-7k	5252-10k	5252-2k



5252-6k

16	3	5	9513-4	9513-6	9513-9	9513-7	9513-10	9513-2
16	4	5	9514-4	9514-9	9514-6	9514-7	9514-10	9514-2
16	5	5	9515-4	9515-9	9515-6	9515-7	9515-10	9515-2
32	3	5	9523-4	9523-6	9523-9	9523-7	9523-10	9523-2
32	4	5	9524-4	9524-9	9524-6	9524-7	9524-10	9524-2
32	5	5	9525-4	9525-9	9525-6	9525-7	9525-10	9525-2



9515-6

16	3	5		95213-6	
16	4	5		95214-9	95214-6
16	5	5			95215-6
32	3	5		95223-6	
32	4	5		95224-9	95224-6
32	5	5			95225-6



95225-6



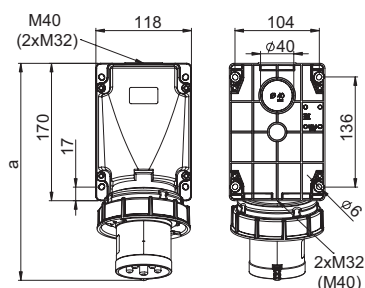
95215-6

16	5	5			75615-6
32	5	5			75625-6



75615-6

Wall mounted plugs



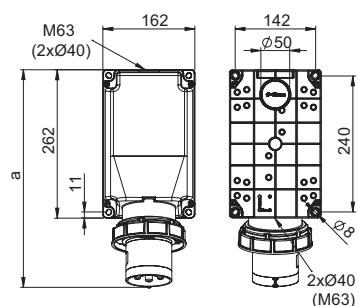
b=height
angle=15°

Power Twist Wall mounted plug IP66/67

	63 Amp		
Poles	3	4	5
a	271	271	271
b	175	175	175
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
solid [mm²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	812	864	914

- contact frame with screws
- housing material: PC/ABS
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. threaded bung
- for waterproof cover and cable-glands see accessories page 51

IP66/67 watertight



b=height
angle=15°

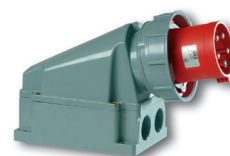
Power Twist Wall mounted plug IP66/67

	125 Amp		
Poles	3	4	5
a	387	387	387
b	209	209	209
Connection type:	Contact frame with screws		
Wire flexible [mm²]	16-50		
solid [mm²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	1620	1725	1834

- contact frame with hexagon socket screws
- housing material: PC/ABS
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. threaded bung
- for waterproof cover and cable-glands see accessories page 51

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
63	3	2	533-4	533-6	533-9	533-7	533-10	533-2
63	4	2	534-4	534-9	534-6	534-7	534-10	534-2
63	5	2	535-4	535-9	535-6	535-7	535-10	535-2



535-6

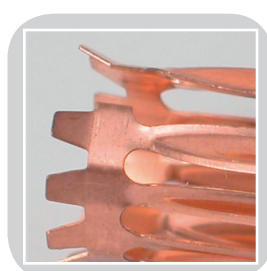
125	3	1	543-4	543-6	543-9	543-7	543-10	543-2
125	4	1	544-4	544-9	544-6	544-7	544-10	544-2
125	5	1	545-4	545-9	545-6	545-7	545-10	545-2



545-6

Accessories see page 51

POWER TWIST



Flanged plugs

Connection types:

Screw terminal:
16/32A



Screwless terminal:
16/32A



Contact frame:
63/125A



Screw terminal

- accessible from one direction
- screws captive and open
- screws with multi slot

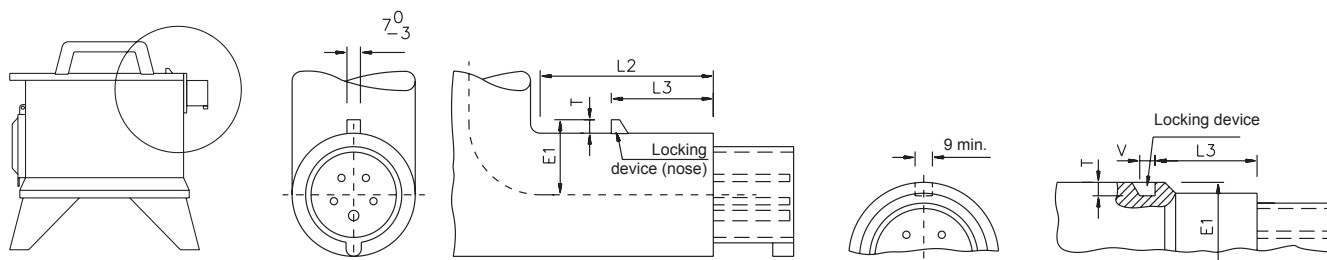
Screwless terminal

- time saving
- screwless TT-terminal
- open contact terminals = ready for assembly
- fast cable installation
- simple closing and opening

Contact frame

- perfect clamping
- protection of the cables
- screws with multi slot (63A)
- hexagon socket screws (125A)

Locking device:



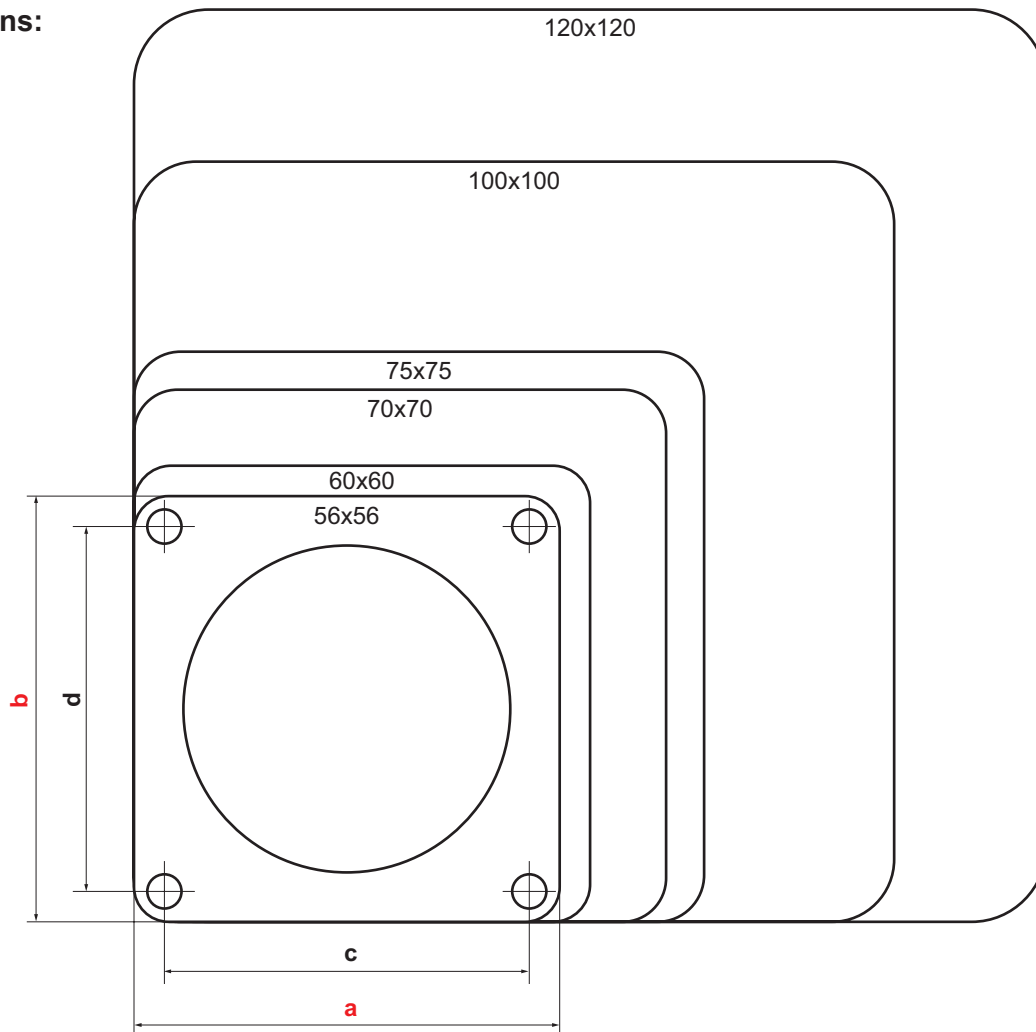
Positioning table (in mm):

		E1	L2	L3 (IP44)	L3 (IP67)	T	V
16	3	29-31	≥75	40-41	37-38	≥4	≥8
16	4	33-35	≥80	46-47	43-44	≥5	≥8
16	5	37-39	≥90	52-53	49-50	≥7	≥8
32	3	39-41	≥90	53-54	50-51	≥7	≥8
32	4	39-41	≥90	53-54	50-51	≥7	≥8
32	5	44-46	≥105	58,5-60	55,5-57	≥8	≥9

For correct use a locking device has to be provided (see illustration).

Flanged plugs straight

Dimensions:

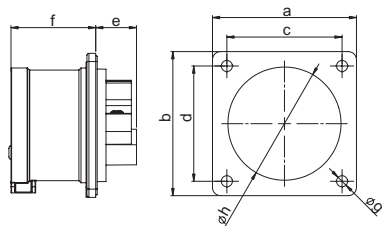


Versions:

Flange		Fixing center		page	16A			32A			63A			125A		
a	b	c	d	#	3p	4p	5p	3p	4p	5p	3p	4p	5p	3p	4p	5p
56	56	48	48	34-35	IP44*	IP44										
60	60	50	50	34-35	IP44*	IP44	IP44*									
70	70	56	56	34-35	IP44*	IP44	IP44*	IP44	IP44*	IP44*						
75	75	60	60	36-37			IP44*			IP44*						
					IP67*	IP67	IP67*	IP67	IP67*	IP67*						
100	100	80	80	40-41							IP44	IP44	IP44			
											IP67	IP67	IP67			
120	120	100	100	40-41										IP67	IP67	IP67

* also available in screwless connection technology (TT)

Flanged plugs

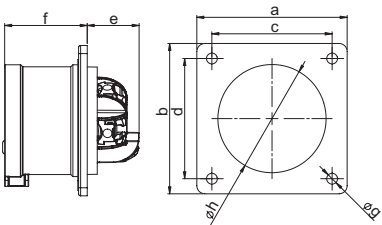


Flanged plug straight IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange						
a x b	70	70	70	70	70	70
Fixing center						
c x d	56	56	56	56	56	56
e	21	21	20	21	21	21
f	42	42	42	51	51	51
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	43	55	55	55	55
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	86	101	118	125	145	165

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6v
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof

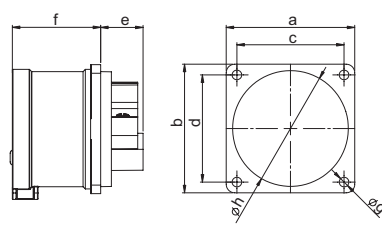


Turbo Twist Flanged plug straight IP44

	16 Amp		32 Amp	
Poles	3	5	4	5
Flange				
a x b	70	70	70	70
Fixing center				
c x d	56	56	56	56
e	26	26	29	29
f	42	42	51	51
g	5,5	5,5	5,5	5,5
h	43	55	55	55
Connection type:	Screwless terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Weight [g]	89	122	151	172

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6TTv
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof

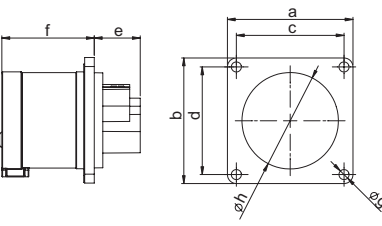


Flanged plug straight IP44

	16 Amp		
Poles	3	4	5
Flange			
a x b	60	60	60
Fixing center			
c x d	50	50	50
e	21	21	20
f	42	42	42
g	4,5	4,5	4,5
h	43	43	55
Connection type:	Screw terminal		
Wire flexible [mm²]	1-2,5		
solid [mm²]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]	78	93	109

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6f6v
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof



Flanged plug straight IP44

	16 Amp	
Poles	3	4
Flange		
a x b	56	56
Fixing center		
c x d	48	48
e	21	21
f	42	42
g	4,5	4,5
h	43	43
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	76	91

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6f3v
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof

110V~

 50/60Hz
4h

230V~

 50/60Hz
3p=6h
4p+5p=9h

400V~

 50/60Hz
3p=9h
4p+5p=6h

500V~

 50/60Hz
7h

**>50-
500V~**

 100-300Hz
10h

**>50-
500V~**

 301-500Hz
2h

Amp.

Poles

 pack.
unit

Cat.No.

Cat.No.

Cat.No.

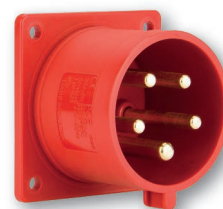
Cat.No.

Cat.No.

Cat.No.

flange 70 x 70 - fixing center 56 x 56

16	3	10	613-4	613-6	613-9	613-7	613-10	613-2
16	4	10	614-4	614-9	614-6	614-7	614-10	614-2
16	5	10	615-4	615-9	615-6	615-7	615-10	615-2
32	3	10	623-4	623-6	623-9	623-7	623-10	623-2
32	4	10	624-4	624-9	624-6	624-7	624-10	624-2
32	5	10	625-4	625-9	625-6	625-7	625-10	625-2



625-6

flange 70 x 70 - fixing center 56 x 56

16	3	10	613-4TT	613-6TT	613-9TT
16	5	10	615-4TT	615-9TT	615-6TT
32	4	10	624-4TT	624-9TT	624-6TT
32	5	10	625-4TT	625-9TT	625-6TT



613-4TT

flange 60 x 60 - fixing center 50 x 50

16	3	10	613-4f6	613-6f6	613-9f6	613-7f6	613-10f6	613-2f6
16	4	10	614-4f6	614-9f6	614-6f6	614-7f6	614-10f6	614-2f6
16	5	10	615-4f6	615-9f6	615-6f6	615-7f6	615-10f6	615-2f6



613-6f6

flange 56 x 56 - fixing center 48 x 48

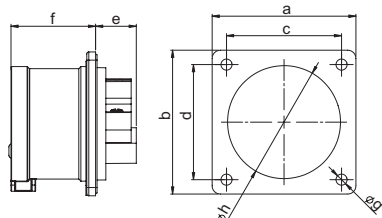
16	3	10	613-4f3	613-6f3	613-9f3	613-7f3	613-10f3	613-2f3
16	4	10	614-4f3	614-9f3	614-6f3	614-7f3	614-10f3	614-2f3



614-6f3



Flanged plugs

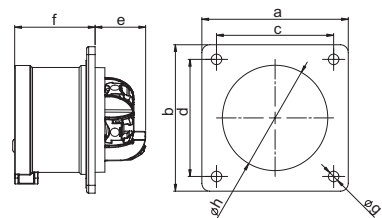


Flanged plug straight IP44

	16 Amp		32 Amp	
Poles	5		5	
Flange				
a x b	75		75	
Fixing center				
c x d	60		60	
e	20		21	
f	42		51	
g	5,5		5,5	
h	55		55	
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	121		170	

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6f7v
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof

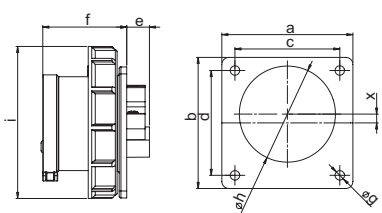


Turbo Twist Flanged plug straight IP44

	16 Amp		32 Amp	
Poles	5		5	
Flange				
a x b	75		75	
Fixing center				
c x d	60		60	
e	26		29	
f	42		51	
g	5,5		5,5	
h	55		55	
Connection type:	Screwless terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Weight [g]	126		178	

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6TTf7v
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof

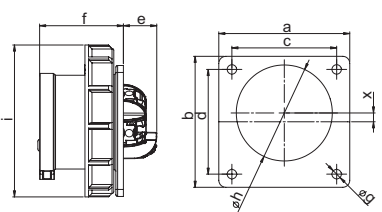


Flanged plug straight IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange						
a x b	75	75	75	75	75	75
Fixing center						
c x d	60	60	60	60	60	60
e	15	14	13	14	15	14
f	48	48	48	58	58	58
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	44	55	55	55	55
i	71	79	87	93	93	100
x	11,3	6	5	4,5	4,5	0
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	109	131	150	167	188	214

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 6152-6v
- According to EN 60309: For correct use a locking device has to be provided (see page 32)
- for 16A 3p till 32A 4p the plug is placed off centered for keeping the standards

IP67 watertight



Turbo Twist Flanged plug straight IP67

	16 Amp		32 Amp	
Poles	3	5	4	5
Flange				
a x b	75	75	75	75
Fixing center				
c x d	60	60	60	60
e	20	20	21	21
f	48	48	58	58
g	5,5	5,5	5,5	5,5
h	43	55	55	55
i	71	87	93	100
x	11,3	5	4,5	0
Connection type:	Screwless terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Weight [g]	111	154	194	222

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 6152-6ttv
- According to EN 60309: For correct use a locking device has to be provided (see page 32)
- for 16A 3p, 16A 5p and 32A 4p the plug is placed off centered for keeping the standards

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 75 x 75 - fixing center 60 x 60								
16	5	10	615-4f7	615-9f7	615-6f7	615-7f7	615-10f7	615-2f7
32	5	10	625-4f7	625-9f7	625-6f7	625-7f7	625-10f7	625-2f7



615-6f7

flange 75 x 75 - fixing center 60 x 60					
16	5	10	615-4TTf7	615-9TTf7	615-6TTf7
32	5	10	625-4TTf7	625-9TTf7	625-6TTf7



615-6TTf7

flange 75 x 75 - fixing center 60 x 60								
16	3	10	6132-4	6132-6	6132-9	6132-7	6132-10	6132-2
16	4	10	6142-4	6142-9	6142-6	6142-7	6142-10	6142-2
16	5	10	6152-4	6152-9	6152-6	6152-7	6152-10	6152-2
32	3	10	6232-4	6232-6	6232-9	6232-7	6232-10	6232-2
32	4	10	6242-4	6242-9	6242-6	6242-7	6242-10	6242-2
32	5	10	6252-4	6252-9	6252-6	6252-7	6252-10	6252-2



6152-6

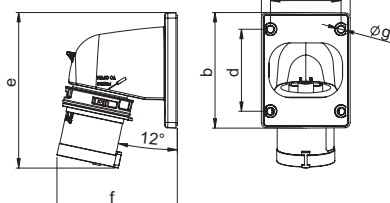
flange 75 x 75 - fixing center 60 x 60					
16	3	10	6132-4TT	6132-6TT	6132-9TT
16	5	10	6152-4TT	6152-9TT	6152-6TT
32	4	10	6242-4TT	6242-9TT	6242-6TT
32	5	10	6252-4TT	6252-9TT	6252-6TT



6252-6TT



Flanged plugs

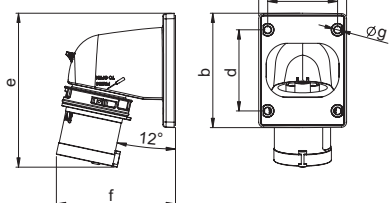


Twist Flanged plug angled IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	126	144	190	200	220	247

- with screw terminals
- housing material: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 77715-6v

IP44 splashproof

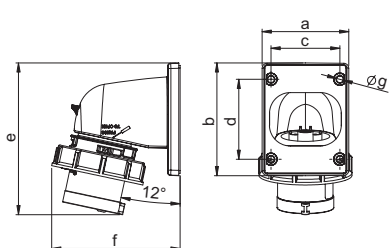


Turbo Twist Flanged plug angled IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	129	148	193	204	225	256

- screwless connection technology
- housing material: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 77715-6TTv

IP44 splashproof

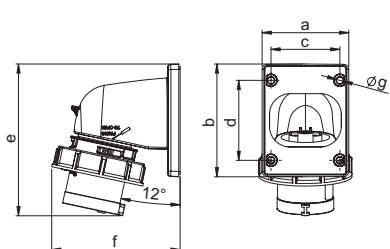


Twist Flanged plug angled IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	99	103	107	110	110	114
g	5	5	5	5	5	5
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	146	168	219	240	260	291

- with screw terminals
- housing material: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 777152-6v

IP67 watertight



Turbo Twist Flanged plug angled IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	99	103	107	110	110	114
g	5	5	5	5	5	5
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	149	172	228	244	266	303

- screwless connection technology
- housing material: PC/ABS
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 777152-6TTv

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	10	77713-4	77713-6	77713-9	77713-7	77713-10	77713-2
16	4	10	77714-4	77714-9	77714-6	77714-7	77714-10	77714-2
16	5	10	77715-4	77715-9	77715-6	77715-7	77715-10	77715-2
32	3	5	77723-4	77723-6	77723-9	77723-7	77723-10	77723-2
32	4	5	77724-4	77724-9	77724-6	77724-7	77724-10	77724-2
32	5	5	77725-4	77725-9	77725-6	77725-7	77725-10	77725-2



77713-6

16	3	10	77713-4TT	77713-6TT	77713-9TT			
16	4	10	77714-4TT	77714-9TT	77714-6TT			
16	5	10	77715-4TT	77715-9TT	77715-6TT			
32	3	5	77723-4TT	77723-6TT	77723-9TT			
32	4	5	77724-4TT	77724-9TT	77724-6TT			
32	5	5	77725-4TT	77725-9TT	77725-6TT			



77713-6TT

16	3	10	777132-4	777132-6	777132-9	777132-7	777132-10	777132-2
16	4	10	777142-4	777142-9	777142-6	777142-7	777142-10	777142-2
16	5	5	777152-4	777152-9	777152-6	777152-7	777152-10	777152-2
32	3	5	777232-4	777232-6	777232-9	777232-7	777232-10	777232-2
32	4	5	777242-4	777242-9	777242-6	777242-7	777242-10	777242-2
32	5	5	777252-4	777252-9	777252-6	777252-7	777252-10	777252-2



777132-6

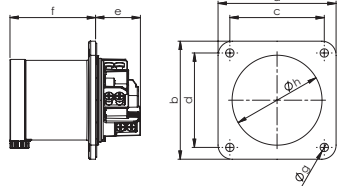
16	3	10	777132-4TT	777132-6TT	777132-9TT			
16	4	10	777142-4TT	777142-9TT	777142-6TT			
16	5	5	777152-4TT	777152-9TT	777152-6TT			
32	3	5	777232-4TT	777232-6TT	777232-9TT			
32	4	5	777242-4TT	777242-9TT	777242-6TT			
32	5	5	777252-4TT	777252-9TT	777252-6TT			



777152-6TT



Flanged plugs

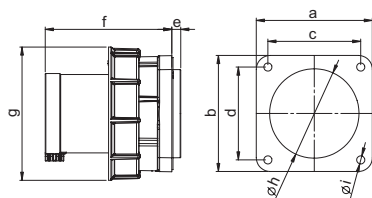


Power Twist Flanged plug straight IP44

	63 Amp		
Poles	3	4	5
Flange			
a x b	100	100	100
Fixing center			
c x d	80	80	80
e	39	39	39
f	73	73	73
g	7	7	7
h	77	77	77
Connection type:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	328	378	427

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 10)

IP44 splashproof

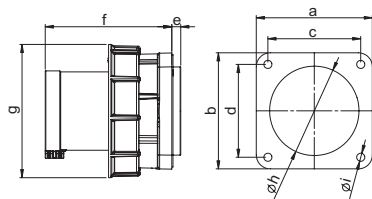


Power Twist Flanged plug straight IP66/67

	63 Amp		
Poles	3	4	5
a			
b	100	100	100
c			
d	80	80	80
e	8	8	8
f	109	109	109
g	115	115	115
h	77	77	77
i	7	7	7
Connection type:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	479	531	570

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- for waterproof cover see accessories on page 51

IP66/67 watertight



Power Twist Flanged plug straight IP66/67

	125 Amp		
Poles	3	4	5
a			
b	120	120	120
c			
d	100	100	100
e	13	13	13
f	118	118	118
g	131	131	131
h	95	95	95
i	7	7	7
Connection type:	Contact frame with screws		
Wire flexible [mm ²]	16-50		
solid [mm ²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	786	891	998

- contact frame with hexagon socket screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- for waterproof cover see accessories on page 51

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 100 x 100 - fixing center 80 x 80								
63	3	2	6331-4k	6331-6k	6331-9k	6331-7k	6331-10k	6331-2k
63	4	2	6341-4k	6341-9k	6341-6k	6341-7k	6341-10k	6341-2k
63	5	2	6351-4k	6351-9k	6351-6k	6351-7k	6351-10k	6351-2k



6351-6k

flange 100 x 100 - fixing center 80 x 80								
63	3	2	633-4	633-6	633-9	633-7	633-10	633-2
63	4	2	634-4	634-9	634-6	634-7	634-10	634-2
63	5	2	635-4	635-9	635-6	635-7	635-10	635-2



635-6

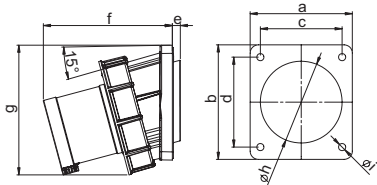
flange 120 x 120 - fixing center 100 x 100								
125	3	2	643-4	643-6	643-9	643-7	643-10	643-2
125	4	2	644-4	644-9	644-6	644-7	644-10	644-2
125	5	2	645-4	645-9	645-6	645-7	645-10	645-2



645-6



Flanged plugs

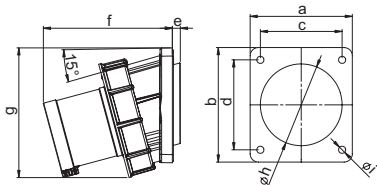


Power Twist Flanged plug sloping IP66/67

Poles	63 Amp		
	3	4	5
a	100	100	100
b	112	112	112
c	80	80	80
d	88	88	88
e	8	8	8
f	127	127	127
g	127	127	127
h	80	80	80
i	7	7	7
Connection type: Contact frame with screws			
Wire flexible [mm²]	6-16		
solid [mm²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	515	566	608

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- for waterproof cover see accessories on page 51

IP66/67 watertight

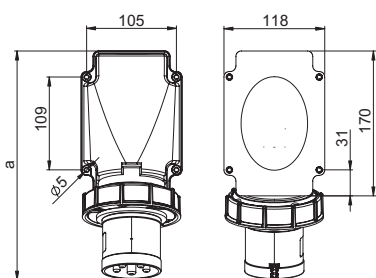


Power Twist Flanged plug sloping IP66/67

Poles	125 Amp		
	3	4	5
a	120	120	120
b	130	130	130
c	100	100	100
d	108	108	108
e	8	8	8
f	139	139	139
g	145	145	145
h	100	100	100
i	7	7	7
Connection type: Contact frame with screws			
Wire flexible [mm²]	16-50		
solid [mm²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	833	942	1044

- contact frame with hexagon socket screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- for waterproof cover see accessories on page 51

IP66/67 watertight



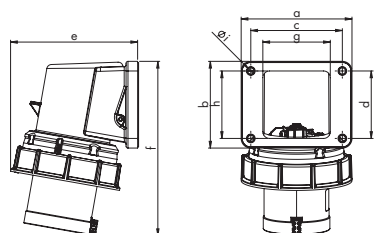
b=height
angle=15°

Power Twist Flanged plug IP66/67

Poles	63 Amp		
	3	4	5
a	271	271	271
b	124	124	124
Connection type: Contact frame with screws			
Wire flexible [mm²]	6-16		
solid [mm²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	653	704	746

- contact frame with screws
- housing material: PC/ABS
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- for waterproof cover and cable-glands see accessories page 51
- rear entry
- incl. flange gasket

IP66/67 watertight



Power Twist Flanged plug compact IP66/67

Poles	63 Amp		
	3	4	5
a	116	116	116
b	91	91	91
c	95	95	95
d	70	70	70
e	132	132	132
f	181	181	181
g	70	70	70
h	70	70	70
Øi	6,5	6,5	6,5
Connection type: Contact frame with screws			
Wire flexible [mm²]	6-16		
solid [mm²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	547	598	640

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 10)
- for waterproof cover and cable-glands see accessories page 51
- rear entry
- incl. flange gasket

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 100 x 112 - fixing center 80 x 88								
63	3	2	733-4	733-6	733-9	733-7	733-10	733-2
63	4	2	734-4	734-9	734-6	734-7	734-10	734-2
63	5	2	735-4	735-9	735-6	735-7	735-10	735-2



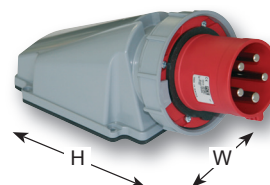
735-6

flange 120 x 130 - fixing center 100 x 108								
125	3	2	743-4	743-6	743-9	743-7	743-10	743-2
125	4	2	744-4	744-9	744-6	744-7	744-10	744-2
125	5	2	745-4	745-9	745-6	745-7	745-10	745-2



745-6

H x W x D = 170 x 118 x 124								
63	3	2	77733-4	77733-6	77733-9	77733-7	77733-10	77733-2
63	4	2	77734-4	77734-9	77734-6	77734-7	77734-10	77734-2
63	5	2	77735-4	77735-9	77735-6	77735-7	77735-10	77735-2



77735-6

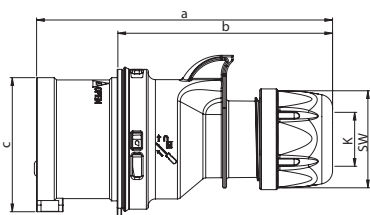
flange 116 x 91 - fixing center 95 x 70								
63	3	2	77733-4k	77733-6k	77733-9k	77733-7k	77733-10k	77733-2k
63	4	2	77734-4k	77734-9k	77734-6k	77734-7k	77734-10k	77734-2k
63	5	2	77735-4k	77735-9k	77735-6k	77735-7k	77735-10k	77735-2k



77735-6k



Phase inverters

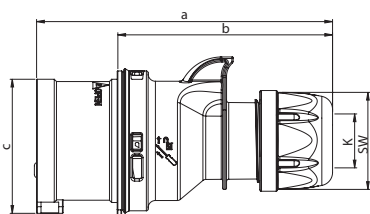


Shark Phase inverter plug IP44

	16 Amp		32 Amp	
Poles	4	5	4	5
a	128	134	150	155
b	92	98	104	109
c	53	61	63	70
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	42	42	50	50
Weight [g]	131	154	204	236

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP44 splashproof

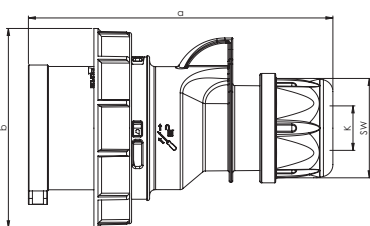


Turbo Shark Phase inverter plug IP44

	16 Amp		32 Amp	
Poles	4	5	4	5
a	128	134	150	155
b	92	98	104	109
c	53	61	63	70
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Connection type:	Screw terminal and screwless terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	42	42	50	50
Weight [g]	131	156	204	237

- L1, N, PE = screwless connection terminals
- L2, L3 = screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP44 splashproof



Shark Phase inverter plug IP67

	16 Amp		32 Amp	
Poles	4	5	4	5
a	128	134	150	155
b	79	87	93	100
c	53	61	63	70
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	42	42	50	50
Weight [g]	153	183	245	280

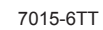
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP66/67 watertight

7024-6
7025-6



7025-6TT

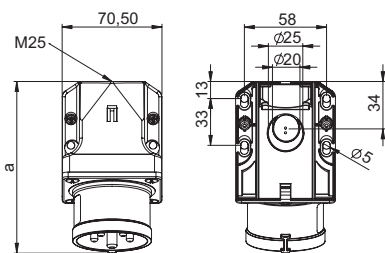


70242-6
70252-6



45

Phase inverters

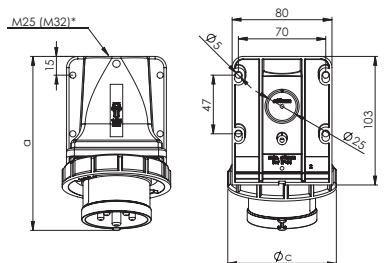


Phase inverter - Wall mounted plug IP44

	16 Amp	32 Amp
Poles	5	4 5
a	122	131 132
b	79	85 85
M	25	25 25
Connection type:	Screw terminal	
Wire flexible class 5 or 6 [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
Weight [g]	205	234 255

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

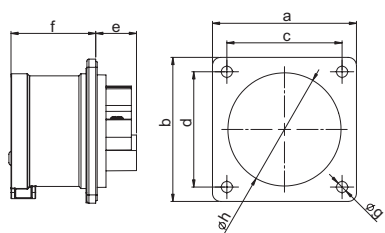


Phase inverter - Wall mounted plug IP67

	16 Amp	32 Amp
Poles	5	4 5
a	140	153 152
b	100	104 102
c	71	93 100
M*	25	25 25
Connection type:	Screw terminal	
Wire flexible class 5 or 6 [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
Weight [g]	241	276 307

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- top and rear entry

IP67 watertight

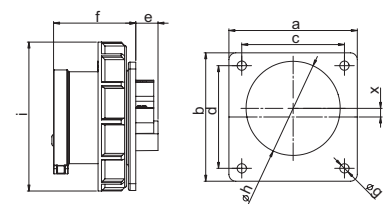


Phase inverter - Flanged plug straight IP44

	16 Amp	32 Amp
Pole s	5	4 5
Flange		
a x b	70	70 70
Fixing center		
c x d	56	56 56
e	20	21 21
f	42	51 51
g	5,5	5,5 5,5
h	55	55 55
Connection type:	Screw terminal	
Wire flexible class 5 or 6 [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
Weight [g]	118	146 167

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof



Phase inverter - Flanged plug straight IP67

	16 Amp	32 Amp
Poles	5	4 5
Flange		
a x b	75	75 75
Fixing Center		
c x d	60	60 60
e	13	15 14
f	48	58 58
g	5,5	5,5 5,5
h	55	55 55
h	87	93 100
x	5	4,5 0
Connection type:	Screw terminal	
Wire flexible class 5 or 6 [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
Weight [g]	150	185 215

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- According to EN 60309: For correct use a locking device has to be provided (see page 32)
- for 16A 5p and 32 5p the plug is placed off centered for keeping the standards

IP67 watertight

230V~

50/60Hz
4p=9h

400V~

50/60Hz
4p+5p=6h

Amp.	Poles	pack. unit
16	5	10
16	5	10
32	4	10
32	4	10
32	5	10
32	5	10

Cat.No.

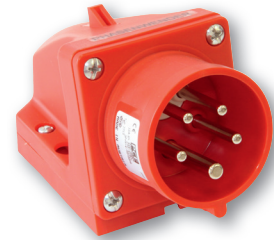
Cat.No.

7715-6	7715-6d
7724-9	7724-6
7724-9d	7724-6d
	7725-6
	7725-6d

with cap

with cap

with cap



7715-6

16	5	5
32	4	5
32	5	5

77152-6k
77242-9k
77242-6k
77252-6k



77152-6k

flange 70 x 70 - fixing center 56 x 56		
16	5	10
32	4	10
32	5	10

8615-6
8624-9
8624-6
8625-6



8624-6

flange 75 x 75 - fixing center 60 x 60		
16	5	10
32	4	10
32	5	10

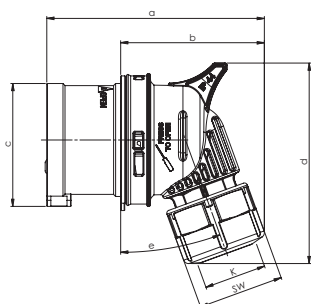
86152-6
86242-9
86242-6
86252-6



86152-6



Phase inverters

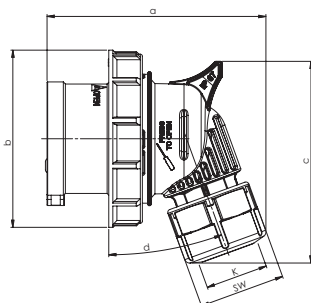


Twist Phase inverter - Angled plug IP44

Poles	16 Amp		32 Amp	
	4	5	4	5
a	98	108	127	135
b	62	71	82	90
c	53	61	63	70
d	87	99	111	114
e [°]	15	20	25	25
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	38	42	50	50
Weight [g]	128	150	181	237

- with screw terminals
- housing material
16/4: PA6
16/5, 32/4, 32/5: PC/ABS
- contacts: nickel-plated contacts

IP44 splashproof

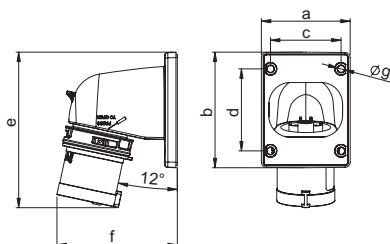


Twist Phase inverter - Angled plug IP67

Poles	16 Amp		32 Amp	
	4	5	4	5
a	98	108	127	135
b	62	71	93	90
c	53	61	111	70
d [°]	15	20	25	25
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	38	42	50	50
Weight [g]	152	180	188	281

- with screw terminals
- housing material
16/4: PA6
16/5, 32/4, 32/5: PC/ABS
- contacts: nickel-plated contacts

IP67 watertight

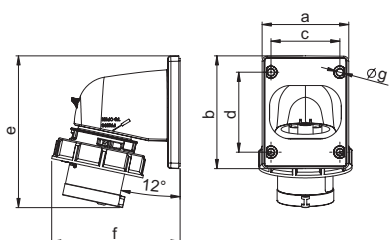


Twist Phase inverter - Flanged plug angled IP44

Poles	16 Amp		32 Amp	
	4	5	4	5
a	66	90	90	90
b	86	100	100	100
c	53	77	77	77
d	61	85	85	85
e	117	153	163	164
f	93	98	100	103
g	5	5	5	5
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	147	190	222	249

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts

IP44 splashproof



Twist Phase inverter - Flanged plug angled IP67

Poles	16 Amp		32 Amp	
	4	5	4	5
a	66	90	90	90
b	86	100	100	100
c	53	77	77	77
d	61	85	85	85
e	117	153	163	164
f	103	107	110	114
g	5	5	5	5
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	171	225	261	297

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts

IP67 watertight

230V~

50/60Hz
4p=9h

400V~

50/60Hz
4p+5p=6h

Amp.	Poles	pack. unit
16	4	10
16	5	10
32	4	10
32	5	10

Cat.No.

Cat.No.

7414-9

7414-6

7415-6

7424-9

7424-6

7425-6



7414-6

16	4	10
16	5	10
32	4	10
32	5	10

74142-9

74142-6

74152-6

74242-6

74252-6



74142-6

16	4	10
16	5	5
32	4	5
32	5	5

77814-9

77814-6

77815-6

77824-9

77824-6

77825-6



77814-6

16	4	10
16	5	5
32	4	5
32	5	5

778142-9

778142-6

778152-6

778242-9

778242-6

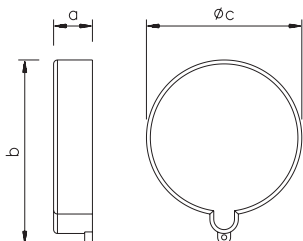
778252-6



778152-6



Accessories



Dust cap 16A and 32A

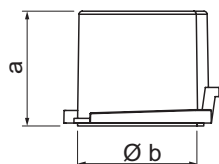
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	15	15	15	15	15	15
b	56	63	71	71	71	79
c	48	54	61	61	61	67
Weight [g]	10	12	14	14	14	16

- for plugs and appliance plugs to protect contacts against dust
- material: TPE/PP

Dust cap 63A and 125A

	63 Amp			125 Amp		
Poles	3	4	5	3	4	5
a	21	21	21	21	21	21
b	82	82	82	93	93	93
c	73	73	73	86	86	86
Weight [g]	21	21	21	25	25	25

- for plugs and appliance plugs to protect contacts against dust
- material: TPE/PP

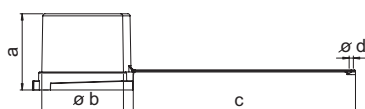


Water protection cap 16A and 32A

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	40	40	40	50	50	50
b	48	54	62	62	62	69
Weight [g]	16	19	26	27	27	33

- for 16 and 32A plugs and appliance plugs
- material: Polypropylen
- colour: light grey
- incl. nylon band (appr. 220mm)

IP67 watertight



Water protection cap 63A and 125A

	63 Amp			125 Amp		
Poles	3	4	5	3	4	5
a	72	72	72	82	82	82
b	78	78	78	91	91	91
c	211	211	211	205	205	205
d	4	4	4	5	5	5
Weight [g]	75	75	75	98	98	98

- for plugs and appliance plugs
- material 63A: Polypropylen
- material 125A: Polyamide PA6

IP67 watertight



Special tool for plug- and connector cable gland nuts

Note: Consider rated torques - see page 14/15

Shark / TURBOSHARK 16/32A

wrench open, L=215mm

711632

POWER TWIST 63/125A

wrench open, L=313mm

7163125

NAUTILUS / Top Taurus

wrench open, L=206mm

711633

Amp.	Poles	pack. unit	Cat.No.	Amp.	Poles	pack. unit	Cat.No.
16	3		ts613g	63	3	}	ts635g
16	4		ts614g	63	4		
16	5		ts615g	63	5		
32	3	}	ts623g	125	3	}	ts645g
32	4			125	4		
32	5		ts625g	125	5		



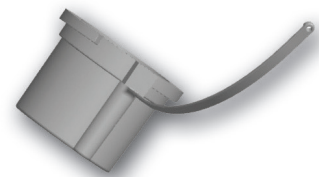
16	3	10	20163
16	4	10	20164
16	5	10	20165
32	3	10	203234
32	4	10	
32	5	10	
			20325



0152-6TT + 20165



63	3	}	ts7632g
63	4		
63	5		
125	3	}	ts1252g
125	4		
125	5		



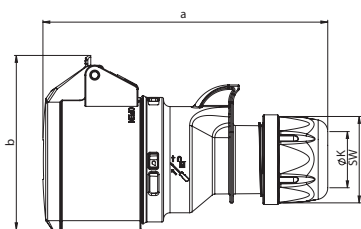
Cable gland IP68, black

Note: For entries without threads, marked by „Ø“, the appropriate lock nuts should be used!

size	thread lenth	cable diameter	Cat.No.	pack unit
M20 x 1,5	15 mm	10-14 mm	23201515120	50
M25 x 1,5	15 mm	13-18 mm	23251515140	50
M32 x 1,5	15 mm	18-25 mm	23321515200	25
M40 x 1,5	18 mm	22-32 mm	23401518260	10
M50 x 1,5	18 mm	30-38 mm	23501518310	5
M63 x 1,5	18 mm	34-44 mm	23631518350	5
M40 x 1,5	Lock nut, brass nickel coated		264015009	50
M50 x 1,5	Lock nut, brass nickel coated		265015009	50



Connectors

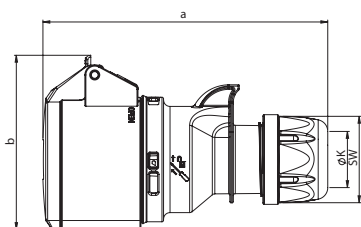


Shark Connector IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	133	138	145	161	161	168
b	74	82	89	94	94	99
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	134	161	188	228	244	270

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 215-6v

IP44 splashproof

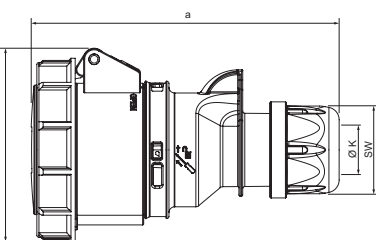


Turbo Shark Connector IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	133	138	145	161	161	168
b	74	82	89	94	94	99
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	136	161	193	228	243	271

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 215-6TTv

IP44 splashproof

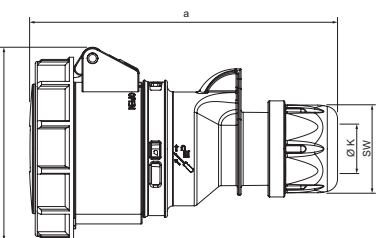


Shark Connector IP66/67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	132	139	147	163	163	171
b	78	84	92	96	96	102
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	155	186	227	275	292	338

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 2152-6v

IP66/67 watertight



Turbo Shark Connector IP66/67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	132	139	147	163	163	171
b	78	84	92	96	96	102
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	157	187	231	275	291	339

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 2152-6TTv

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

16	3	10	213-4	213-6	213-9	213-7	213-10	213-2
16	4	10	214-4	214-9	214-6	214-7	214-10	214-2
16	5	10	215-4	215-9	215-6	215-7	215-10	215-2
32	3	10	223-4	223-6	223-9	223-7	223-10	223-2
32	4	10	224-4	224-9	224-6	224-7	224-10	224-2
32	5	10	225-4	225-9	225-6	225-7	225-10	225-2



215-6

16	3	10	213-4TT	213-6TT	213-9TT
16	4	10	214-4TT	214-9TT	214-6TT
16	5	10	215-4TT	215-9TT	215-6TT
32	3	10	223-4TT	223-6TT	223-9TT
32	4	10	224-4TT	224-9TT	224-6TT
32	5	10	225-4TT	225-9TT	225-6TT



215-6TT

16	3	10	2132-4	2132-6	2132-9	2132-7	2132-10	2132-2
16	4	10	2142-4	2142-9	2142-6	2142-7	2142-10	2142-2
16	5	10	2152-4	2152-9	2152-6	2152-7	2152-10	2152-2
32	3	10	2232-4	2232-6	2232-9	2232-7	2232-10	2232-2
32	4	10	2242-4	2242-9	2242-6	2242-7	2242-10	2242-2
32	5	10	2252-4	2252-9	2252-6	2252-7	2252-10	2252-2



2252-6

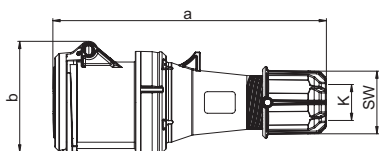
16	3	10	2132-4TT	2132-6TT	2132-9TT
16	4	10	2142-4TT	2142-9TT	2142-6TT
16	5	10	2152-4TT	2152-9TT	2152-6TT
32	3	10	2232-4TT	2232-6TT	2232-9TT
32	4	10	2242-4TT	2242-9TT	2242-6TT
32	5	10	2252-4TT	2252-9TT	2252-6TT



2252-6TT



Connectors

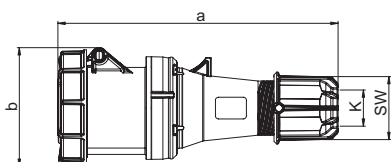


Power Twist Connector IP44

	63 Amp		
Poles	3	4	5
a	269	269	269
b	107	107	107
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	624	664	720

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact add a „5“ e.g. 23351-6 (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 23361-6 (see page 10)

IP44 splashproof

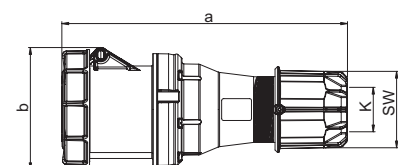


Power Twist Connector IP66/67

	63 Amp		
Pole	3	4	5
a	269	269	269
b	114	114	114
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	669	710	768

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact add a „5“ e.g. 2335-6 (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 2336-6 (see page 10)

IP66/67 watertight



Power Twist Connector IP66/67

	125 Amp		
Pole	3	4	5
a	287	287	287
b	124	124	124
K_cable Ø [mm]	22,5-50	22,5-50	22,5-50
Connection type:	Contact frame with screws		
Wire flexible [mm²]	16-50		
Contact screws [Ncm]	450 Ncm		
SW	81	81	81
Weight [g]	1060	1167	1266

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact add a „5“ e.g. 2435-6 (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 2436-6 (see page 10)

IP66/67 watertight

**POWER
TWIST**



■ ■ ■ **Safety**

■ ■ ■ **High impact resistance**

■ ■ ■ **Optimum grip**

■ ■ ■ **Large connection area**

■ ■ ■ **Time saving**

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
63	3	2	2331-4	2331-6	2331-9	2331-7	2331-10	2331-2
63	4	2	2341-4	2341-9	2341-6	2341-7	2341-10	2341-2
63	5	2	2351-4	2351-9	2351-6	2351-7	2351-10	2351-2



2351-6

63	3	2	233-4	233-6	233-9	233-7	233-10	233-2
63	4	2	234-4	234-9	234-6	234-7	234-10	234-2
63	5	2	235-4	235-9	235-6	235-7	235-10	235-2



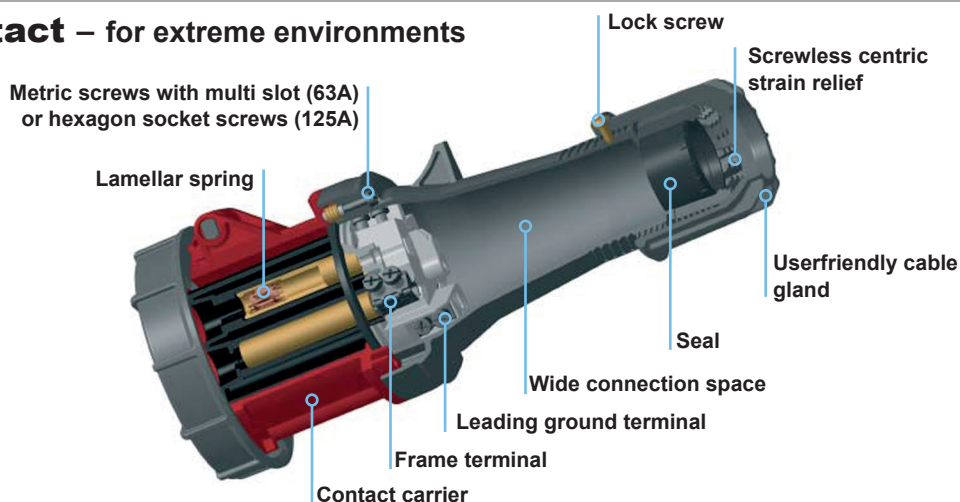
235-6

125	3	2	243-4	243-6	243-9	243-7	243-10	243-2
125	4	2	244-4	244-9	244-6	244-7	244-10	244-2
125	5	2	245-4	245-9	245-6	245-7	245-10	245-2



245-6

One contact – for extreme environments





CEE WALL AND FLANGED SOCKETS

16A - 125A

CEE wall and flanged sockets



Page

Wall sockets

58



Flanged sockets straight

70



Flanged sockets sloping

83

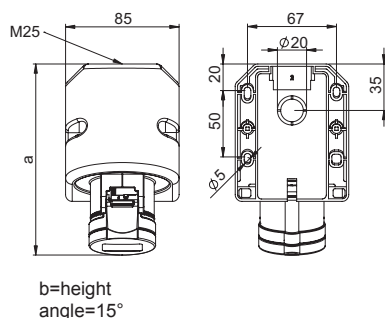


Design-Sockets

96



Wall sockets

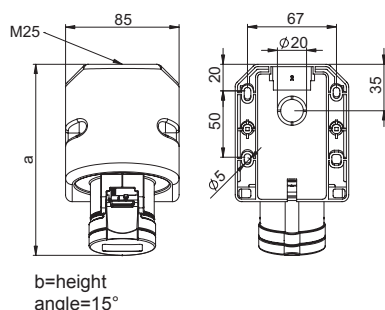


Wall socket IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	142	145	144	155	155	157
b	97	98	104	106	106	111
M	25	25	25	25	25	25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	226	240	259	274	291	318

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 115-6v
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

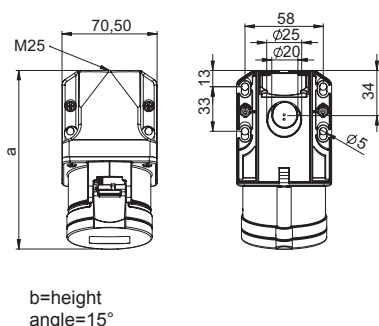


Turbo Twist Wall socket IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	142	145	144	155	155	157
b	97	98	104	106	106	111
M	25	25	25	25	25	25
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	228	240	264	274	290	319

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 115-6TTv
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

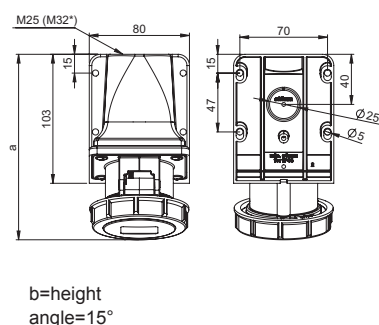


Wall socket IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	132	133	133	145	145	145
b	94	97	100	103	103	107
M	25	25	25	25	25	25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	202	214	233	249	365	292

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 115-6kv
 - to order Turbo Twist design (screwless connection technology) please add a „TT“ e.g. 115-6kTT
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof



Wall socket IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	146	148	148	161	161	163
b	96	99	102	108	108	112
M*	25	25	25	25	25	25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	226	241	275	298	314	351

*M32 optional on request available

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 1152-6v
 - to order Turbo Twist design (screwless connection technology) please add a „TT“ e.g. 1152-6TT
- top and rear entry

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

16	3	10	113-4	113-6	113-9	113-7	113-10	113-2
16	4	10	114-4	114-9	114-6	114-7	114-10	114-2
16	5	10	115-4	115-9	115-6	115-7	115-10	115-2
32	3	10	123-4	123-6	123-9	123-7	123-10	123-2
32	4	10	124-4	124-9	124-6	124-7	124-10	124-2
32	5	10	125-4	125-9	125-6	125-7	125-10	125-2



113-6

16	3	10	113-4TT	113-6TT	113-9TT			
16	4	10	114-4TT	114-9TT	114-6TT			
16	5	10	115-4TT	115-9TT	115-6TT			
32	3	10	123-4TT	123-6TT	123-9TT			
32	4	10	124-4TT	124-9TT	124-6TT			
32	5	10	125-4TT	125-9TT	125-6TT			



113-6TT

16	3	10	113-4k	113-6k	113-9k	113-7k	113-10k	113-2k
16	4	10	114-4k	114-9k	114-6k	114-7k	114-10k	114-2k
16	5	10	115-4k	115-9k	115-6k	115-7k	115-10k	115-2k
32	3	10	123-4k	123-6k	123-9k	123-7k	123-10k	123-2k
32	4	10	124-4k	124-9k	124-6k	124-7k	124-10k	124-2k
32	5	10	125-4k	125-9k	125-6k	125-7k	125-10k	125-2k



115-6k

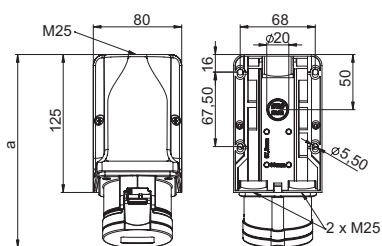
16	3	5	1132-4	1132-6	1132-9	1132-7	1132-10	1132-2
16	4	5	1142-4	1142-9	1142-6	1142-7	1142-10	1142-2
16	5	5	1152-4	1152-9	1152-6	1152-7	1152-10	1152-2
32	3	5	1232-4	1232-6	1232-9	1232-7	1232-10	1232-2
32	4	5	1242-4	1242-9	1242-6	1242-7	1242-10	1242-2
32	5	5	1252-4	1252-9	1252-6	1252-7	1252-10	1252-2



1152-6



Wall sockets



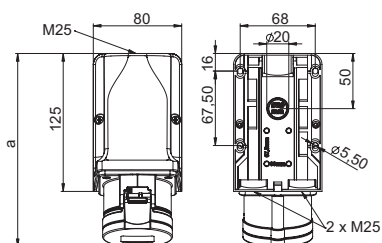
b=height
angle=15°

Wall socket IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	141
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	291	304	322	338	355	382

- with screw terminals
- **housing for wiring through**
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 915-6v
 - to order Turbo Twist design (screwless connection technology) please add a „TT“ e.g. 915-6TT
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof



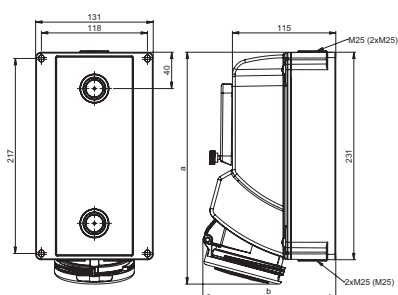
b=height
angle=15°

Wall socket IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	141
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	315	336	362	362	387	422

- with screw terminals
- **housing for wiring through**
- **with terminals (3-pole) not wired**
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 915-6vv
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof



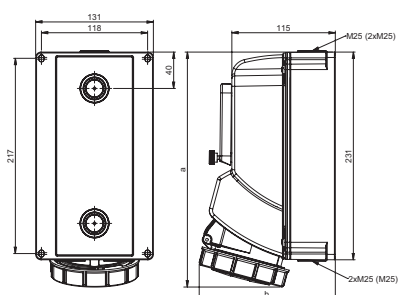
Wall socket with window IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	249	249	249	259	259	259
b	141	141	141	142	142	148
M*	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	917	922	967	972	985	1033

* Option: M32 or closed

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- top, bottom or rear entry
- with DIN-rail
- window for 5 modules
- incl. threaded bung

IP44 splashproof



Wall socket with window IP67

	16 Amp			32 Amp		
Pole	3	4	5	3	4	5
a	253	253	253	259	259	259
b	141	141	141	145	145	153
M*	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	952	957	1002	1007	1020	1068

* Option: M32 or closed

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- top, bottom or rear entry
- with DIN-rail
- window for 5 modules
- incl. threaded bung

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	5	913-4	913-6	913-9	913-7	913-10	913-2
16	4	5	914-4	914-9	914-6	914-7	914-10	914-2
16	5	5	915-4	915-9	915-6	915-7	915-10	915-2
32	3	5	923-4	923-6	923-9	923-7	923-10	923-2
32	4	5	924-4	924-9	924-6	924-7	924-10	924-2
32	5	5	925-4	925-9	925-6	925-7	925-10	925-2



915-6

16	3	5	913-4w	913-6w	913-9w	913-7w	913-10w	913-2w
16	4	5	914-4w	914-9w	914-6w	914-7w	914-10w	914-2w
16	5	5	915-4w	915-9w	915-6w	915-7w	915-10w	915-2w
32	3	5	923-4w	923-6w	923-9w	923-7w	923-10w	923-2w
32	4	5	924-4w	924-9w	924-6w	924-7w	924-10w	924-2w
32	5	5	925-4w	925-9w	925-6w	925-7w	925-10w	925-2w



913-6w

16	3	1	75133-4	75133-6	75133-9	75133-7
16	4	1	75143-4	75143-9	75143-6	75143-7
16	5	1	75153-4	75153-9	75153-6	75153-7
32	3	1	75233-4	75233-6	75233-9	75233-7
32	4	1	75243-4	75243-9	75243-6	75243-7
32	5	1	75253-4	75253-9	75253-6	75253-7



75253-6

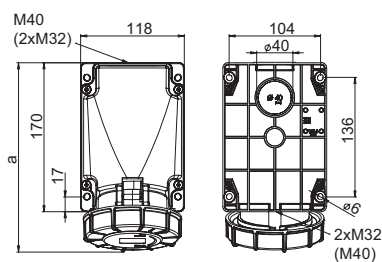
16	3	1	751323-4	751323-6	751323-9	751323-7
16	4	1	751423-4	751423-9	751423-6	751423-7
16	5	1	751523-4	751523-9	751523-6	751523-7
32	3	1	752323-4	752323-6	752323-9	752323-7
32	4	1	752423-4	752423-9	752423-6	752423-7
32	5	1	752523-4	752523-9	752523-6	752523-7



752523-6



Wall sockets



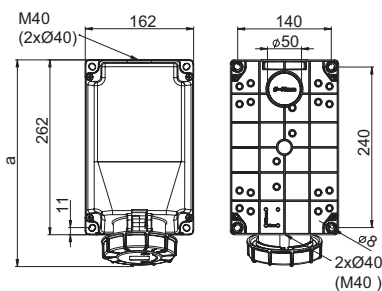
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Power Twist Wall socket IP66/67

	63 Amp		
Poles	3	4	5
a	213	213	213
b	173	173	173
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
solid [mm²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	820	869	923

- contact frame with screws
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact add a „5“ e.g. 1335-6 (see page 10)
 - to order with pilot contact system (PCS) add a „6“ e.g. 1336-6 (see page 10)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. threaded bung
- cable-glands see accessories page 51

IP66/67 watertight
IP44 on request



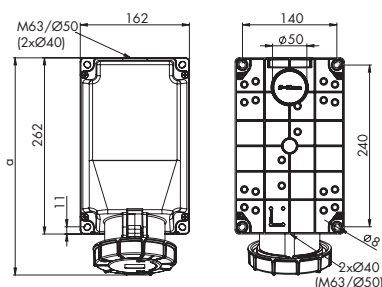
b=height
angle=15°

Power Twist Wall socket IP66/67

	63 Amp		
Poles	3	4	5
a	306	306	306
b	195	195	195
Connection type:	Contact frame with screws		
Wire flexible [mm²]	6-16		
solid [mm²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	1360	1409	1463

- contact frame with screws
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact add a „5“ e.g. 13575-6 (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 13576-6 (see page 10)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. threaded bung
- cable-glands see accessories page 51

IP66/67 watertight
IP44 on request



b=height
angle=15°

Power Twist Wall socket IP66/67

	125 Amp		
Poles	3	4	5
a	322	322	322
b	205	205	205
Connection type:	Contact frame with screws		
Wire flexible [mm²]	16-50		
solid [mm²]	16-50		
Contact screws [Ncm]	450 Ncm		
Weight [g]	1745	1752	1852

- contact frame with hexag socket screws
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact add a „5“ e.g. 1455-6 (see page 10)
 - to order with pilot contact system (PCS) add a „6“ e.g. 1456-6 (see page 10)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. threaded bung
- cable-glands see accessories page 51

IP66/67 watertight

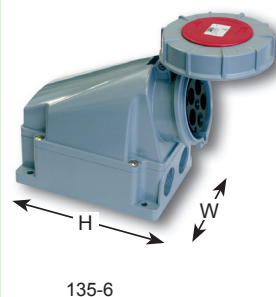


Advantages:

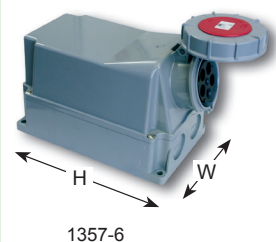
Housing can be rotated by 180° – the position of the cable entry can be chosen!

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

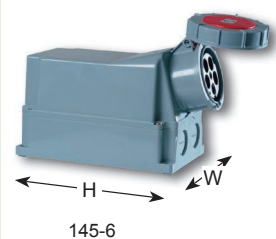
Basic unit HxWxD = 170x118x173; 1xM40; 2xM32								
63	3	2	133-4	133-6	133-9	133-7	133-10	133-2
63	4	2	134-4	134-9	134-6	134-7	134-10	134-2
63	5	2	135-4	135-9	135-6	135-7	135-10	135-2



Basic unit HxWxD = 262x162x195; 1xM40; 2xØ40								
63	3	2	1337-4	1337-6	1337-9	1337-7	1337-10	1337-2
63	4	2	1347-4	1347-9	1347-6	1347-7	1347-10	1347-2
63	5	2	1357-4	1357-9	1357-6	1357-7	1357-10	1357-2



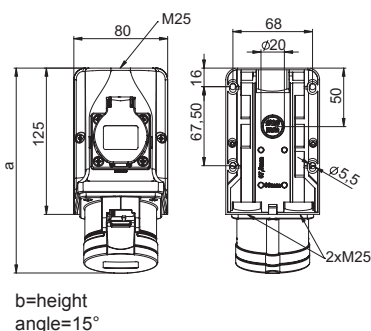
Basic unit HxWxD = 262x162x205; 1xØ50; 2xØ40								
125	3	1	143-4	143-6	143-9	143-7	143-10	143-2
Basic unit HxWxD = 262x162x205; 1xM63; 2xØ40								
125	4	1	144-4	144-9	144-6	144-7	144-10	144-2
125	5	1	145-4	145-9	145-6	145-7	145-10	145-2



Accessories (cable glands) see page 51



Wall sockets COMBO

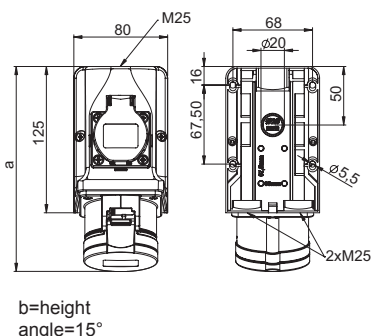


Wall socket COMBO IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	141
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Weight [g]	388	405	424	455	470	481

- with screw terminals
- wall socket with integrated safety socket according to Austrian/German system
- connecting terminals up to 10 mm²
- **ready wired**
- for Combo-wall socket 32A the safety socket is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9215-6v
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof

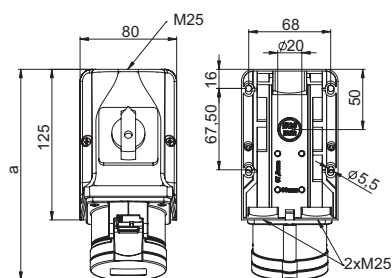


Wall socket COMBO IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	141
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Contact screws SSD [Ncm]	80 Ncm					
Weight [g]	353	370	389	410	425	436

- with screw terminals
- wall socket with integrated safety socket according to Austrian/German system
- connecting terminals up to 10 mm²
- **unwired**
- for Combo-wall socket 32A the safety socket is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9215-6vv
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof



Wall socket with switch IP44

	16 Amp	32 Amp
Poles	5	5
a	176	188
b	133	143
M	3x25	3x25
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
solid [mm²]	1-4	2,5-10
Weight [g]	448	543

- with screw terminals
- wall socket with integrated **ON/OFF switch AC22A**
- connecting terminals up to 10 mm²
- **prewired**
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 75915-6v
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof

230V~

50/60Hz
3p=6h
4p+5p=9h

400V~

50/60Hz
3p=9h
4p+5p=6h

Cat.No.

Cat.No.

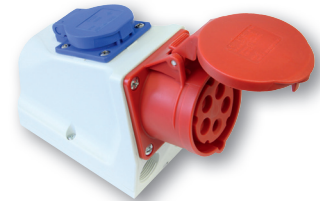
Amp.

Poles

**pack.
unit**

16	3	5
16	4	5
16	5	5
32	3	5
32	4	5
32	5	5

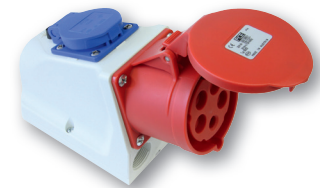
9213-6	
9214-9	9214-6
	9215-6
9223-6	
9224-9	9224-6
	9225-6



9215-6

16	3	5
16	4	5
16	5	5
32	3	5
32	4	5
32	5	5

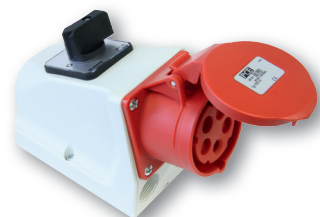
9213-6w	
9214-9w	9214-6w
	9215-6w
9223-6w	
9224-9w	9224-6w
	9225-6w



9215-6w

16	5	5
32	5	5

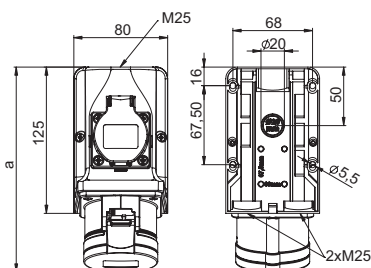
75915-6
75925-6



75915-6



Wall sockets COMBO



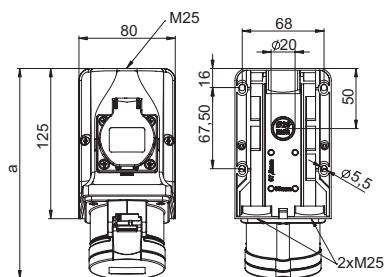
b=height
angle=15°

Wall socket COMBO IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	141
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Weight [g]	387	404	423	454	469	480

- with screw terminals
- wall socket with integrated safety socket according to **Belgian/French system**
- connecting terminals up to 10 mm²
- **ready wired**
- for Combo-wall socket 32A the safety socket is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9215-6fv
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof



b=height
angle=15°

Wall socket COMBO IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	175	176	176	188	188	188
b	128	130	133	137	137	143
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Contact screws SSD [Ncm]	80 Ncm					
Weight [g]	352	369	388	409	424	435

- with screw terminals
- wall socket with integrated safety socket according to **Belgian/French system**
- connecting terminals up to 10 mm²
- **unwired**
- for Combo-wall socket 32A the safety socket is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9215-6fv
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof

9224-6f
9225-6f

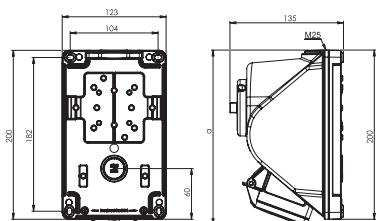


9224-6fw
9225-6fw



67

Wall sockets COMBOPOL



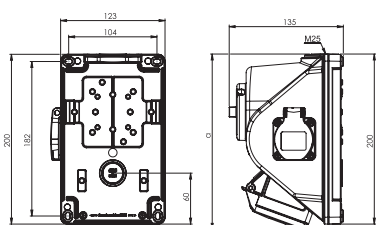
Wall socket COMBO-POL with flanged socket sloping

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	208	209	207	211	211	212
Connection type:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

- CEE 16A 3p to 32A 5p
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP44 splashproof

IP67 on request

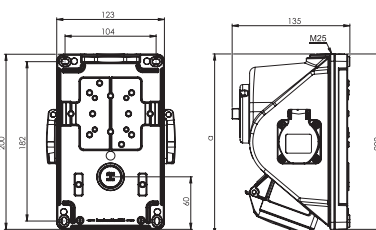


Wall socket COMBO-POL with flanged socket sloping

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Connection type:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

- CEE 16A 3p to 32A 5p with 1 safety socket 16A 250V
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- 32A: the safety socket is protected by fuse (10A slow)
- available also with Belg./French, Danish, British and Swiss sockets
- design with rotary lever on request

IP44 splashproof



Wall socket COMBO-POL with flanged socket sloping

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	208	209	207	211	211	212
Connection type:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

- CEE 16A 3p to 32A 5p with 2 safety sockets 16A 250V
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- 32A: the safety socket is protected by fuse (10A slow)
- available also with Belg./French, Danish, British and Swiss sockets
- design with rotary lever on request

IP44 splashproof

Technical data:

- large connection area
- enclosure made of high impact resistance material
- ready wired for using
- cable entry M25 – top entry, Ø 25mm at the rear
- all external metal parts are made from stainless steel
- incl. threaded cable grommet
- at switch-off position: lockable with padlock (40 mm) 
- ON / OFF switch AC 22A, 10kA acc. to EN 60947-3
- switch all outlets

Amp.	Poles	pack. unit	Cat.No.	Switch	Socket outlet	Cat.No.	Switch	Socket outlet
16	3	1	96061350	0-1	0			
16	4	1	96061450	0-1	0			
16	5	1	96061550	0-1	0			
32	3	1	96062350	0-1	0			
32	4	1	96062450	0-1	0			
32	5	1	96062550	0-1	0			
with reversing switch								
16	4	1	960614501	L-0-R	0			
16	5	1	960615501	L-0-R	0			
32	4	1	960624501	L-0-R	0			
32	5	1	960625501	L-0-R	0			



96061550

16	3	1	96061351	0-1	1	austr./germ.	96061341	0-1	1	belg./french.
16	4	1	96061451	0-1	1	austr./germ.	96061441	0-1	1	belg./french.
16	5	1	96061551	0-1	1	austr./germ.	96061541	0-1	1	belg./french.
32	3	1	96062351	0-1	1	austr./germ.	96062341	0-1	1	belg./french.
32	4	1	96062451	0-1	1	austr./germ.	96062441	0-1	1	belg./french.
32	5	1	96062551	0-1	1	austr./germ.	96062541	0-1	1	belg./french.



96062551

16	3	1	96061352	0-1	2	austr./germ.	96061342	0-1	2	belg./french.
16	4	1	96061452	0-1	2	austr./germ.	96061442	0-1	2	belg./french.
16	5	1	96061552	0-1	2	austr./germ.	96061542	0-1	2	belg./french.
32	3	1	96062352	0-1	2	austr./germ.	96062342	0-1	2	belg./french.
32	4	1	96062452	0-1	2	austr./germ.	96062442	0-1	2	belg./french.
32	5	1	96062552	0-1	2	austr./germ.	96062542	0-1	2	belg./french.



96061552

Other versions on request!



Flanged sockets

PCE flanged sockets are available in many different flanges in straight or sloping version.

Versions:

- 16A / 32A / 63A / 125A
- Contacts: brass or nickel-plated
- Screw terminal or screwless version
- Different flange sizes and fixing centers
- straight or sloping versions
- lockable (16A 3p, sloping version)
- different IP ratings
- different clock positions (position of the earthing contact)

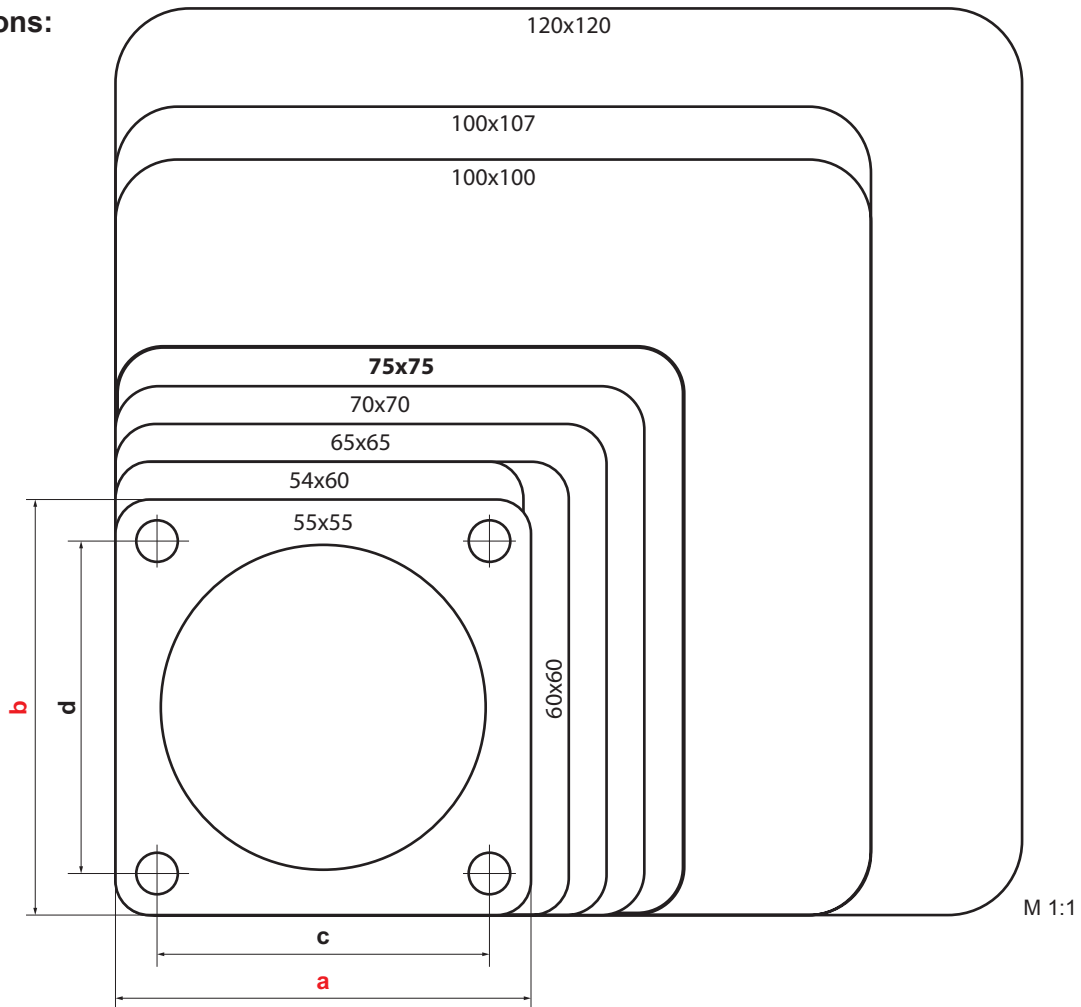
Advantages:

- solid, robust construction
- large opening angle of the lid
- screws/terminals are open when delivered
- advanced earthing contact
- contact frame with screws for 63/125A
- lamellar spring contacts for 63/125A



Flanged sockets straight

Dimensions:

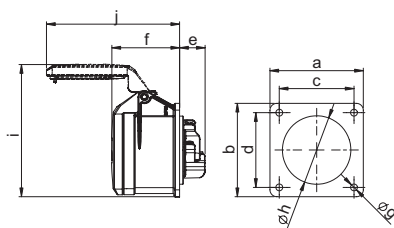


Versions:

flange		fixing center		page	16A			32A			63A			125A		
a	b	c	d	#	3p	4p	5p	3p	4p	5p	3p	4p	5p	3p	4p	5p
54	60	44	44	76-77	IP44*											
					IP67*											
55	55	44	44	76-77	IP44*											
					IP67*											
60	60	47	47	76-77	IP44*	IP44*										
					IP67*											
65	65	52	52	76-77	IP44*	IP44*										
					IP67*											
70	70	56	56	74-75	IP44*	IP44*	IP44*	IP44*	IP44*	IP44*						
					IP67*		IP67*			IP67*						
75	75	60	60	72-73	IP44*	IP44*	IP44*	IP44*	IP44*	IP44*						
					IP67*	IP67*	IP67*	IP67*	IP67*	IP67*						
100	100	80	80	78-79							IP44	IP44	IP44			
											IP67	IP67	IP67			
100	107	77	85	78-79							IP44	IP44	IP44			
											IP67	IP67	IP67			
120	120	100	100	78-79										IP67	IP67	IP67

* also available in screwless connection technology (TT)

Flanged sockets straight

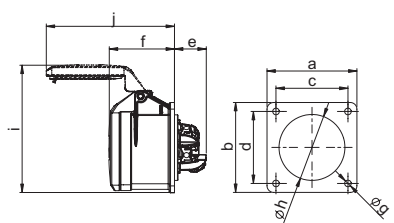


Flanged socket straight IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	21	21	21	23	23	23
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	89	104	107	112	112	108
j	101	101	107	122	122	136
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	120	132	150	167	182	210

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 315-6f7v

IP44 splashproof
IP44/54 16/3 and 32/3 are splash- and dustproof

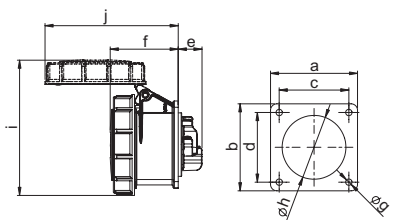


Turbo Twist Flanged socket straight IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	27	27	27	27	27	27
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	89	104	107	112	112	108
j	101	101	107	122	122	136
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	123	132	155	167	182	211

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 315-6TTf7v

IP44 splashproof
IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

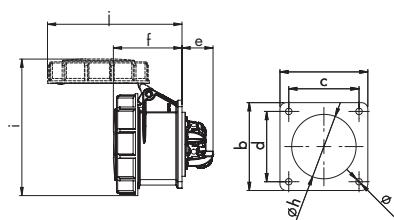


Flanged socket straight IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	21	21	21	23	23	23
f	56	57	59	69	69	71
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	102	108	117	122	122	130
j	101	109	115	130	130	136
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	135	153	183	206	222	260

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 3152-6v

IP67 watertight

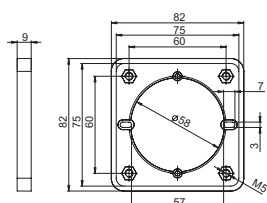


Turbo Twist Flanged socket straight IP67

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	27	27	27	27	27	27
f	56	57	59	69	69	71
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	102	108	117	122	122	130
j	101	109	115	130	130	136
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	137	153	188	206	222	261

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 3152-6TTv

IP67 watertight



Cable conduit installation

	Intermediate flange for cable conduit installation
For CEE Flanged socket	
Flange	75x75 mm
Fixing center	60x60 mm
	Cat.No. 810-00

- suitable for CEE-flanged sockets with flange size 75x75 mm and fixing center 60x60 mm e.g. 315-6f7
- with intermediate flange, suitable for standard conduit mounting boxes

110V~

 50/60Hz
4h

230V~

 50/60Hz
3p=6h
4p+5p=9h

400V~

 50/60Hz
3p=9h
4p+5p=6h

500V~

 50/60Hz
7h

**>50-
500V~**

 100-300Hz
10h

**>50-
500V~**

 301-500Hz
2h

Amp.

Poles

 pack
unit

Cat.No.

Cat.No.

Cat.No.

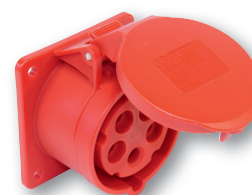
Cat.No.

Cat.No.

Cat.No.

flange 75 x 75 - fixing center 60 x 60

16	3	10	313-4f7	313-6f7	313-9f7	313-7f7	313-10f7	313-2f7
16	4	10	314-4f7	314-9f7	314-6f7	314-7f7	314-10f7	314-2f7
16	5	10	315-4f7	315-9f7	315-6f7	315-7f7	315-10f7	315-2f7
32	3	10	323-4f7	323-6f7	323-9f7	323-7f7	323-10f7	323-2f7
32	4	10	324-4f7	324-9f7	324-6f7	324-7f7	324-10f7	324-2f7
32	5	10	325-4f7	325-9f7	325-6f7	325-7f7	325-10f7	325-2f7



315-6f7

flange 75 x 75 - fixing center 60 x 60

16	3	10	313-4TTf7	313-6TTf7	313-9TTf7
16	4	10	314-4TTf7	314-9TTf7	314-6TTf7
16	5	10	315-4TTf7	315-9TTf7	315-6TTf7
32	3	10	323-4TTf7	323-6TTf7	323-9TTf7
32	4	10	324-4TTf7	324-9TTf7	324-6TTf7
32	5	10	325-4TTf7	325-9TTf7	325-6TTf7



313-6TTf7

flange 75 x 75 - fixing center 60 x 60

16	3	10	3132-4	3132-6	3132-9	3132-7	3132-10	3132-2
16	4	10	3142-4	3142-9	3142-6	3142-7	3142-10	3142-2
16	5	10	3152-4	3152-9	3152-6	3152-7	3152-10	3152-2
32	3	10	3232-4	3232-6	3232-9	3232-7	3232-10	3232-2
32	4	10	3242-4	3242-9	3242-6	3242-7	3242-10	3242-2
32	5	10	3252-4	3252-9	3252-6	3252-7	3252-10	3252-2



3152-6

flange 75 x 75 - fixing center 60 x 60

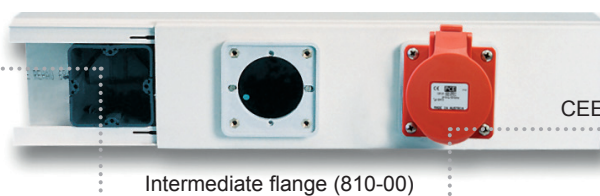
16	3	10	3132-4TT	3132-6TT	3132-9TT
16	4	10	3142-4TT	3142-9TT	3142-6TT
16	5	10	3152-4TT	3152-9TT	3152-6TT
32	3	10	3232-4TT	3232-6TT	3232-9TT
32	4	10	3242-4TT	3242-9TT	3242-6TT
32	5	10	3252-4TT	3252-9TT	3252-6TT



3132-6TT



Conduit mounting box



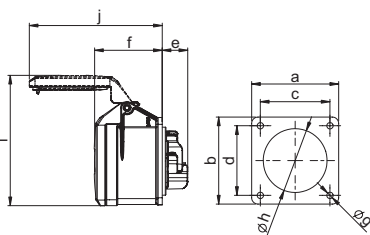
CEE socket outlet (z.B.: 315-6f7)

Intermediate flange (810-00)



Flanged sockets straight

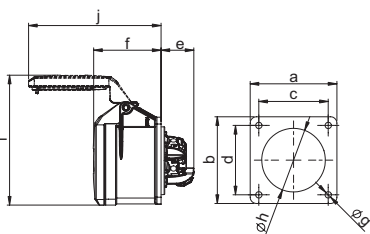
Flanged socket straight IP44



	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	21	21	21	23	23	23
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	87	101	105	112	112	108
j	101	101	107	122	122	136
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	115	127	141	162	178	206

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 315-6v

IP44 splashproof
IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

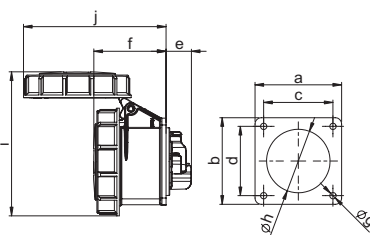


Turbo Twist Flanged socket straight IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	27	27	27	27	27	27
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	87	101	105	112	112	108
j	101	101	107	122	122	136
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	117	128	146	161	178	207

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 315-6TTv

IP44 splashproof
IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

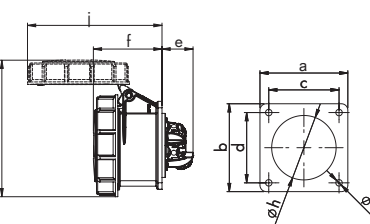


Flanged socket straight IP67

	16 Amp		32 Amp
Poles	3	5	5
Flange a x b	70	70	70
Fixing center c x d	56	56	56
e	21	21	23
f	56	59	71
g	5,5	5,5	5,5
h	43	55	58
i	102	117	130
j	101	115	136
Connection type:	Screw terminal		
Wire flexible [mm²]	1-2,5		2,5-6
solid [mm²]	1-4		2,5-10
Contact screws [Ncm]	100 Ncm		110 Ncm
Weight [g]	130	181	225

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 3152-6T70v

IP67 watertight



Turbo Twist Flanged socket straight IP67

	16 Amp		32 Amp
Poles	3	5	5
Flange a x b	70	70	70
Fixing center c x d	56	56	56
e	27	27	27
f	56	59	71
g	5,5	5,5	5,5
h	43	55	58
i	102	117	130
j	101	115	136
Connection type:	Screwless terminal		
Wire flexible [mm²]	1-2,5		2,5-6
solid [mm²]	1-4		2,5-10
Weight [g]	132	186	227

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 3152-6TTf70v

IP67 watertight

Amp.	Poles	pack unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 70 x 70 - fixing center 56 x 56								
16	3	10	313-4	313-6	313-9	313-7	313-10	313-2
16	4	10	314-4	314-9	314-6	314-7	314-10	314-2
16	5	10	315-4	315-9	315-6	315-7	315-10	315-2
32	3	10	323-4	323-6	323-9	323-7	323-10	323-2
32	4	10	324-4	324-9	324-6	324-7	324-10	324-2
32	5	10	325-4	325-9	325-6	325-7	325-10	325-2



315-6

flange 70 x 70 - fixing center 56 x 56					
16	3	10	313-4TT	313-6TT	313-9TT
16	4	10	314-4TT	314-9TT	314-6TT
16	5	10	315-4TT	315-9TT	315-6TT
32	3	10	323-4TT	323-6TT	323-9TT
32	4	10	324-4TT	324-9TT	324-6TT
32	5	10	325-4TT	325-9TT	325-6TT



315-6TT

flange 70 x 70 - fixing center 56 x 56								
16	3	10	3132-4f70	3132-6f70	3132-9f70	3132-7f70	3132-10f70	3132-2f70
16	5	10	3152-4f70	3152-9f70	3152-6f70	3152-7f70	3152-10f70	3152-2f70
32	5	10	3252-4f70	3252-9f70	3252-6f70	3252-7f70	3252-10f70	3252-2f70



3132-6f70

flange 70 x 70 - fixing center 56 x 56								
16	3	10	3132-4TTf70	3132-6TTf70	3132-9TTf70	3132-7TTf70	3132-10TTf70	3132-2TTf70
16	5	10	3152-4TTf70	3152-9TTf70	3152-6TTf70	3152-7TTf70	3152-10TTf70	3152-2TTf70
32	5	10	3252-4TTf70	3252-9TTf70	3252-6TTf70	3252-7TTf70	3252-10TTf70	3252-2TTf70

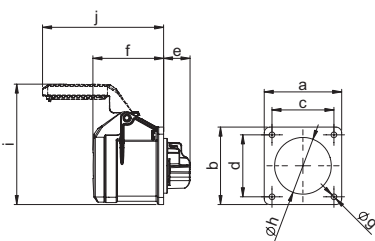


3132-6ttf70



Flanged sockets straight

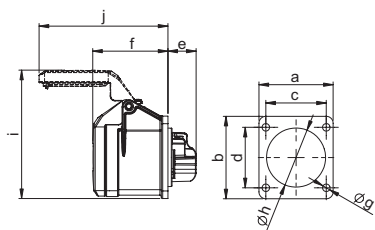
Flanged socket straight IP44



	16 Amp		16 Amp	
Poles	3	4	3	4
Flange a x b	65	65	60	60
Fixing center c x d	52	52	47	47
e	21	21	21	21
f	55	55	55	55
g	5,5	5,5	5,5	5,5
h	43	45	43	45
i	84	99	82	99
j	101	100	101	101
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5			
solid [mm²]	1-4			
Contact screws [Ncm]	100 Ncm			
Weight [g]	112	124	105	119

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 314-6f0v

IP44 splashproof
IP44/54 16/3 is splash- and dustproof

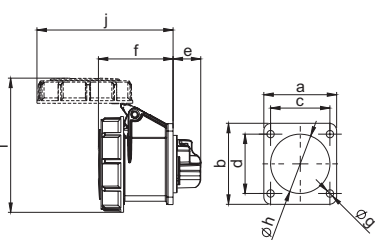


Flanged socket straight IP44

	16 Amp	
Poles	3	3
a	54	55
b	60	55
Fixing center c x d	44	44
e	21	21
f	55	55
g	5,5	5,5
h	43	43
i	82	80
j	101	101
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	105	103

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 313-6f5v

IP44/54 splashproof and dustproof



Flanged socket straight IP67

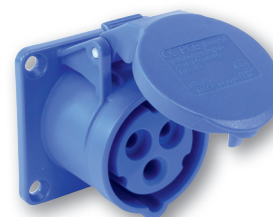
	16 Amp			
Poles	3	3	3	3
a	65	60	54	55
b	65	60	60	55
c	52	47	44	44
d	52	47	44	44
e	21	21	21	21
f	56	56	56	56
g	5,5	5,5	5,5	5,5
h	43	43	43	43
i	100	100	100	100
j	101	101	101	101
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5			
solid [mm²]	1-4			
Contact screws [Ncm]	100 Ncm			
Weight [g]	127	123	124	120

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 3132-6f0v

IP67 watertight

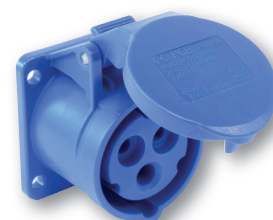
Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 65 x 65 - fixing center 52 x 52								
16	3	10	313-4f0	313-6f0	313-9f0	313-7f0	313-10f0	313-2f0
16	4	10	314-4f0	314-9f0	314-6f0	314-7f0	314-10f0	314-2f0
flange 60 x 60 - fixing center 47 x 47								
16	3	10	313-4f6	313-6f6	313-9f6	313-7f6	313-10f6	313-2f6
16	4	10	314-4f6	314-9f6	314-6f6	314-7f6	314-10f6	314-2f6



313-6f0

flange 54 x 60 - fixing center 44 x 44								
16	3	10	313-4f9	313-6f9	313-9f9	313-7f9	313-10f9	313-2f9
flange 55 x 55 - fixing center 44 x 44								
16	3	10	313-4f5	313-6f5	313-9f5	313-7f5	313-10f5	313-2f5



313-6f9

flange 65 x 65 - fixing center 52 x 52								
16	3	10	3132-4f0	3132-6f0	3132-9f0	3132-7f0	3132-10f0	3132-2f0
flange 60 x 60 - fixing center 47 x 47								
16	3	10	3132-4f6	3132-6f6	3132-9f6	3132-7f6	3132-10f6	3132-2f6
flange 54 x 60 - fixing center 44 x 44								
16	3	10	3132-4f9	3132-6f9	3132-9f9	3132-7f9	3132-10f9	3132-2f9
flange 55 x 55 - fixing center 44 x 44								
16	3	10	3132-4f5	3132-6f5	3132-9f5	3132-7f5	3132-10f5	3132-2f5



3132-6f9



Flanged sockets straight

Power Twist Flanged socket straight IP44

	63 Amp			63 Amp		
Poles	3	4	5	3	4	5
a	100	100	100	100	100	100
b	100	100	100	107	107	107
c	80	80	80	77	77	77
d	80	80	80	85	85	85
e	50	50	50	50	50	50
f	75	75	75	75	75	75
g	7	7	7	7	7	7
h	85	85	85	85	85	85
i	138	138	138	142	142	142
j	138	138	138	138	138	138
Connection type:	Contact frame with screws					
Wire flexible [mm²]	6-16					
solid [mm²]	6-25					
Contact screws [Ncm]	200 Ncm					
Weight [g]	440	485	539	446	491	545

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“, e.g. 33551-6 (see p. 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 33561-6 (see page 10)

IP44 splashproof

Power Twist Flanged socket straight IP66/67

	63 Amp			63 Amp		
Poles	3	4	5	3	4	5
a	100	100	100	100	100	100
b	100	100	100	107	107	107
c	80	80	80	77	77	77
d	80	80	80	85	85	85
e	50	50	50	50	50	50
f	80	80	80	80	80	80
g	7	7	7	7	7	7
h	85	85	85	85	85	85
i	147	147	147	147	147	147
j	146	146	146	146	146	146
Connection type:	Contact frame with screws					
Wire flexible [mm²]	6-16					
solid [mm²]	6-25					
Contact screws [Ncm]	200 Ncm					
Weight [g]	488	533	587	494	539	593

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“, e.g. 33551-6 (see p. 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 33561-6 (see page 10)

IP66/67 watertight

Power Twist Flanged socket straight IP66/67

	125 Amp		
Poles	3	4	5
Flange a x b	120	120	120
Fixing Center c x d	100	100	100
e	48	48	48
f	101	101	101
g	8	8	8
h	90	90	90
i	159	159	159
j	179	179	179
Connection type:	Contact frame with screws		
Wire flexible [mm²]	16-50		
solid [mm²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	752	890	986

- contact frame with hexagon socket screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“, e.g. 34551-6 (see p. 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 34561-6 (see page 10)

IP66/67 watertight

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50- 500V~	>50- 500V~
			50/60Hz 4h	50/60Hz 3p=6h 4p+5p=9h	50/60Hz 3p=9h 4p+5p=6h	50/60Hz 7h	100-300Hz 10h	301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
flange 100 x 100 - fixing center 80 x 80								
63	3	2	3331-4	3331-6	3331-9	3331-7	3331-10	3331-2
63	4	2	3341-4	3341-9	3341-6	3341-7	3341-10	3341-2
63	5	2	3351-4	3351-9	3351-6	3351-7	3351-10	3351-2
flange 100 x 107 - fixing center 77 x 85								
63	3	2	3331-4fc	3331-6fc	3331-9fc	3331-7fc	3331-10fc	3331-2fc
63	4	2	3341-4fc	3341-9fc	3341-6fc	3341-7fc	3341-10fc	3341-2fc
63	5	2	3351-4fc	3351-9fc	3351-6fc	3351-7fc	3351-10fc	3351-2fc



3351-6

flange 100 x 100 - fixing center 80 x 80								
63	3	2	333-4	333-6	333-9	333-7	333-10	333-2
63	4	2	334-4	334-9	334-6	334-7	334-10	334-2
63	5	2	335-4	335-9	335-6	335-7	335-10	335-2
flange 100 x 107 - fixing center 77 x 85								
63	3	2	333-4fc	333-6fc	333-9fc	333-7fc	333-10fc	333-2fc
63	4	2	334-4fc	334-9fc	334-6fc	334-7fc	334-10fc	334-2fc
63	5	2	335-4fc	335-9fc	335-6fc	335-7fc	335-10fc	335-2fc



335-6

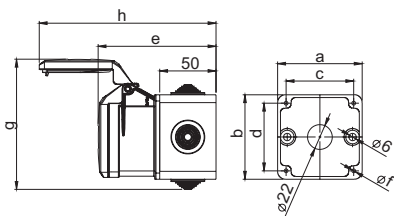
flange 120 x 120 - fixing center 100 x 100								
125	3	2	343-4	343-6	343-9	343-7	343-10	343-2
125	4	2	344-4	344-9	344-6	344-7	344-10	344-2
125	5	2	345-4	345-9	345-6	345-7	345-10	345-2



345-6



Accessories for flanged sockets

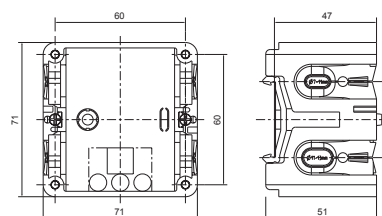


Surface outlet with/for flanged sockets 75x75

	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles						
Flange						
a x b	75	75	75	75	75	75
Fixing center						
c x d	60	60	60	60	60	60
e	105	105	105	115	115	115
f	3,3	3,3	3,3	3,3	3,3	3,3
g	110	113	116	118	118	122
h	144	152	157	172	172	77
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	190	205	220	260	270	295

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 80015-6v
- suitable for flanged sockets 16A, 32A (75x75)
- available with 2, 4 or without lead-through nipple

IP44 splashproof



Trunking box for DIN-rail mounting IP20

Floor mounted trunking box made out of polypropylene for DIN-rail mounting and fixation of flanged sockets and switches.

(Box can be used for wall trunking devices with a installation height of 47 mm and integrated DIN-rail.)

- height: 47mm
- material: polypropylene, flame-retardent
- colour: grey
- for PCE CEE-flanged sockets with flange size of 75x75 (fixing center 60x60 mm) combined with PCE flange 810-00

- Protection degree: IP20

Trunking box for DIN-rail mounting IP20 with flanged socket CEE 16A

Floor mounted trunking box made out of polypropylene for DIN-rail mounting with CEE flanged socket 16A 5-pole (75x75mm) and flange including screws.

Shipment:

- installation box (37004701)
- flange (810-00)
- CEE socket (flange: 75x75)
- incl. 4 screws



Finger protection for flanged sockets 16A/32A

Depending of country specific standards and regulations it can be necessary to equip terminals with a finger protection. This finger protection can be mounted on all PCE 16A and 32A CEE

flanged sockets with screw contact (2P+E, 3P+E, 3P+E+N) in case of need.



16A 4-times pack.unit=150/1300 pcs.

ts167s

32A 4-times pack.unit=150/1000 pcs.

ts327s

230V~

50/60Hz
3p=6h
4p+5p=9h

400V~

50/60Hz
3p=9h
4p+5p=6h

Cat.No.

Cat.No.

Ampere
Poles
pack-
unit

surface outlet complete

surface outlet empty

16 3 10
16 4 10
16 5 10

16 3 10
16 4 10
16 5 10

16 3 10
16 4 10
16 5 10

80013-6

80014-6
80015-6

80000

without nipple

80213-6

80214-6
80215-6

80200

2 nipples

80413-6

80414-6
80415-6

80400

4 nipples



80415-6

32A and special clock positions - available on request!

1

37004701



37004701

16 5 1

81315-6

32 5 1

81325-6



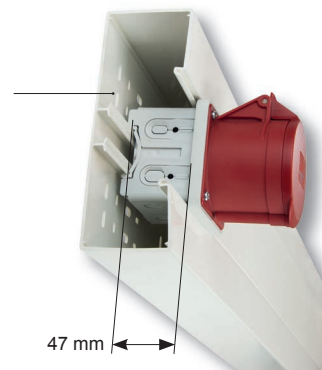
Example of use:

DIN-rail



81315-6

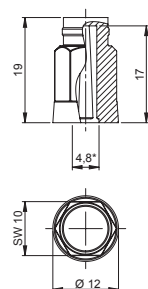
Trunking device



47 mm

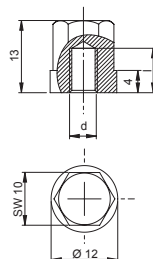
Mounting accessories for flanged sockets

plastic nut with collar (isolated)



* recommended screw diameter

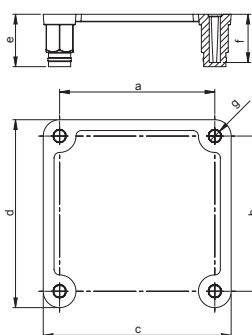
d	M4	M5	M6
l	6	8	9



- hexagonal nut with collar
- material: polyamide
- thread insert: brass (only metric version)
- color: black

size	Cat.No.
M4	1755
M5	2125
M6	2129
4,8mm*	tm500s

plastic nut 4-fach (isolated)



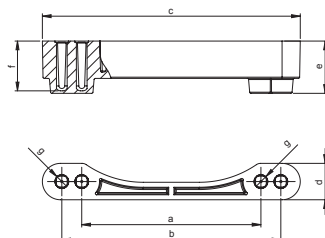
	38x38	50x65	56x56	60x60	60x73
a	38	50	56	60	60
b	38	65	56	60	73
c	50	62	68	72	72
d	49	77	68	73	85
e	14	19	19	19	19
f	10	17	17	17	17
g*	4,2	4,8	4,8	4,8	4,8

* recommended screw diameter

- 4-times plastic nut
- material: polyamide
- color: black

size	Cat.No.
38x38	tm43838s
50x65	tm55065s
56x56	tm55656s
60x60	tm56060s
60x73	tm56073s

plastic nut 2-times (isolated) 63/125A



	63A	125A
a	72	92
b	88	108
c	104	124
d	15	15
e	21	21
f	20	20
g*	5,5	5,5

* recommended screw diameter

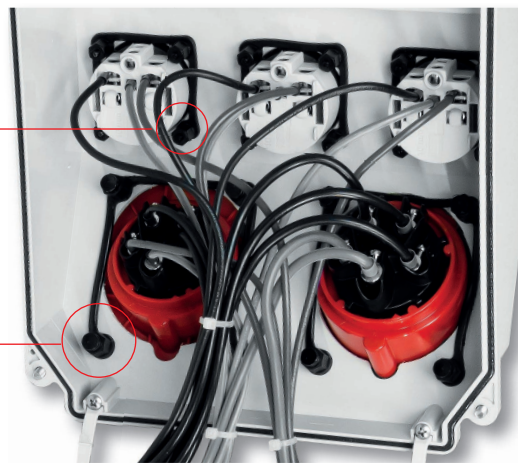
- 2-times plastic nut
- material: polyamide
- color: black

size	Cat.No.
72/88	tm6880s
92/108	tm6100s

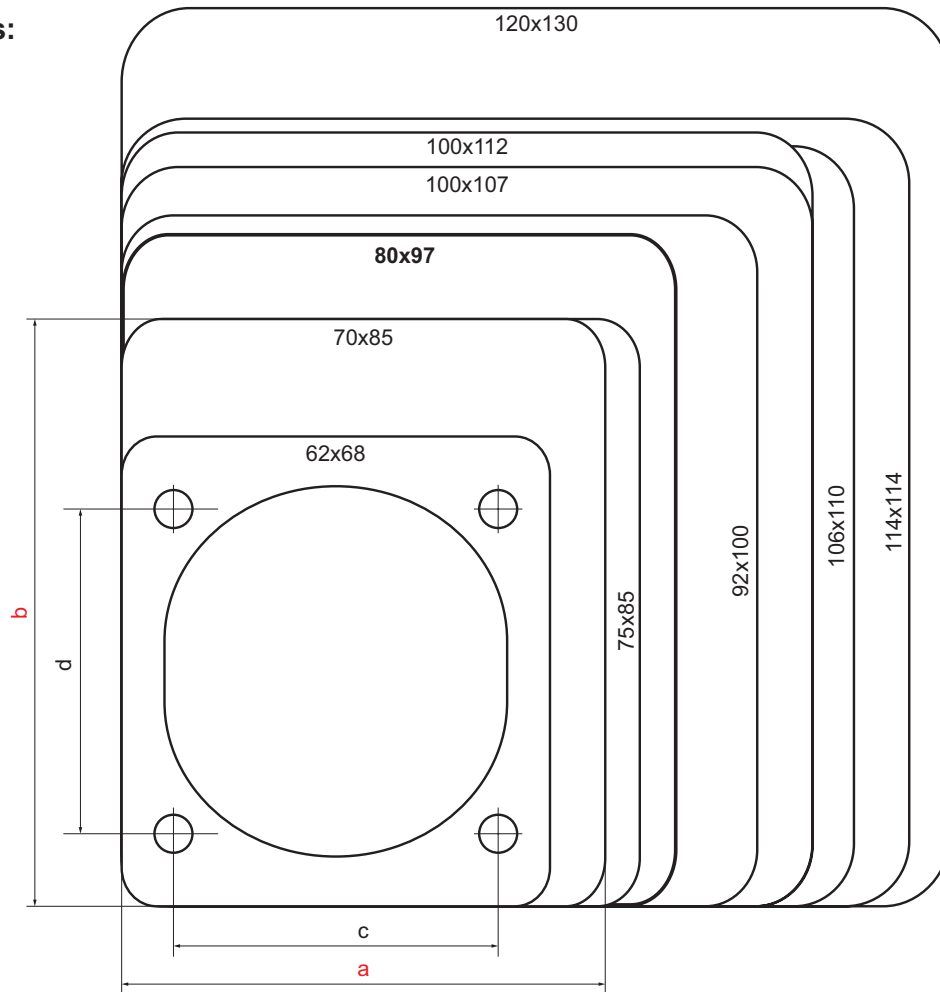
Mounting example:

tm43838s
safety socket
flange: 50x50mm
fixing center: 38x38mm

tm56073s
CEE flanged socket sloping
flange: 80x97mm
fixing center: 60x73mm



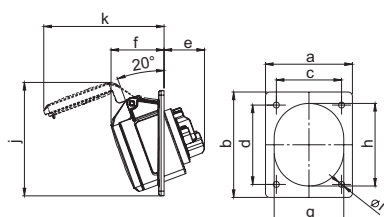
Dimensions:

[illegible]

TURBO
TWIST
click<

Flanged sockets sloping

Flanged socket sloping IP44

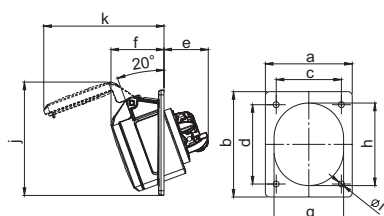


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	38	38	38	48	48	48
f	47	47	49	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	97	103	105	105	105	99
k	99	104	111	119	119	130
Connection type: Screw terminal						
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	116	132	154	166	182	214

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6v

IP44 splashproof
IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

Turbo Twist Flanged socket sloping IP44

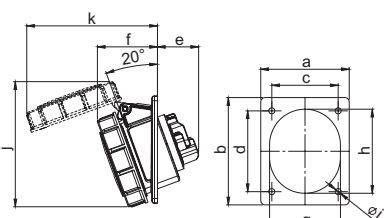


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	41	41	41	48	48	48
f	47	47	49	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	97	103	105	105	105	99
k	99	104	111	119	119	130
Connection type: Screwless terminal						
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	119	133	158	165	182	215

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6TTv

IP44 splashproof
IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

Flanged socket sloping IP67

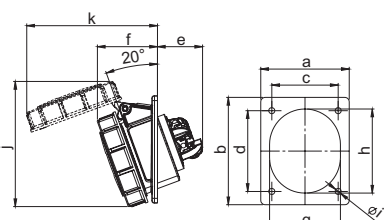


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	38	38	38	48	48	48
f	50	52	55	59	59	61
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	102	106	114	120	120	127
k	103	110	119	127	127	133
Connection type: Screw terminal						
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	131	153	186	207	224	262

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6f78v

IP67 watertight

Turbo Twist Flanged socket sloping IP67



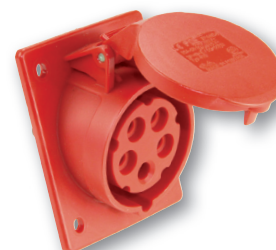
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	41	41	41	48	48	48
f	50	52	55	59	59	61
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	102	106	114	120	120	127
k	103	110	119	127	127	133
Connection type: Screwless terminal						
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	134	154	191	207	224	263

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6TTf78v

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 80 x 97 - fixing center 60 x 73								
16	3	10	413-4f8	413-6f8	413-9f8	413-7f8	413-10f8	413-2f8
16	4	10	414-4f8	414-9f8	414-6f8	414-7f8	414-10f8	414-2f8
16	5	10	415-4	415-9	415-6	415-7	415-10	415-2
32	3	10	423-4	423-6	423-9	423-7	423-10	423-2
32	4	10	424-4	424-9	424-6	424-7	424-10	424-2
32	5	10	425-4	425-9	425-6	425-7	425-10	425-2



415-6

flange 80 x 97 - fixing center 60 x 73					
16	3	10	413-4TTf8	413-6TTf8	413-9TTf8
16	4	10	414-4TTf8	414-9TTf8	414-6TTf8
16	5	10	415-4TT	415-9TT	415-6TT
32	3	10	423-4TT	423-6TT	423-9TT
32	4	10	424-4TT	424-9TT	424-6TT
32	5	10	425-4TT	425-9TT	425-6TT



415-6TT

flange 80 x 97 - fixing center 60 x 73								
16	3	10	4132-4f8	4132-6f8	4132-9f8	4132-7f8	4132-10f8	4132-2f8
16	4	10	4142-4f8	4142-9f8	4142-6f8	4142-7f8	4142-10f8	4142-2f8
16	5	10	4152-4f78	4152-9f78	4152-6f78	4152-7f78	4152-10f78	4152-2f78
32	3	10	4232-4f78	4232-6f78	4232-9f78	4232-7f78	4232-10f78	4232-2f78
32	4	10	4242-4f78	4242-9f78	4242-6f78	4242-7f78	4242-10f78	4242-2f78
32	5	10	4252-4f78	4252-9f78	4252-6f78	4252-7f78	4252-10f78	4252-2f78



4152-6f78

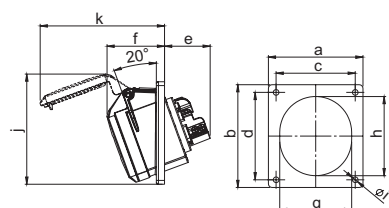
flange 80 x 97 - fixing center 60 x 73					
16	3	10	4132-4TTf8	4132-6TTf8	4132-9TTf8
16	4	10	4142-4TTf8	4142-9TTf8	4142-6TTf8
16	5	10	4152-4TTf78	4152-9TTf78	4152-6TTf78
32	3	10	4232-4TTf78	4232-6TTf78	4232-9TTf78
32	4	10	4242-4TTf78	4242-9TTf78	4242-6TTf78
32	5	10	4252-4TTf78	4252-9TTf78	4252-6TTf78



4152-6TTf78



Flanged sockets sloping

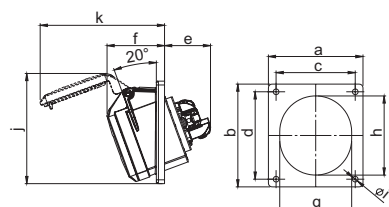


Flanged socket sloping IP44

16 Amp		
Poles	3	4
a	70	70
b	85	85
c	50	50
d	65	65
e	38	38
f	47	47
g	51	56
h	61	67
i	5,5	5,5
j	85	96
k	99	104
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	111	127

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 413-6v

IP44 splashproof
IP44/54 16/3 is splash- and dustproof

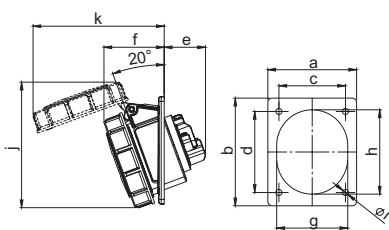


Turbo Twist Flanged socket sloping IP44

16 Amp		
Poles	3	4
a	70	70
b	85	85
c	50	50
d	65	65
e	41	41
f	47	47
g	51	56
h	61	67
i	5,5	5,5
j	85	96
k	99	104
Connection type:	Screwless terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Weight [g]	114	128

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 413-6TTv

IP44 splashproof
IP44/54 16/3 is splash- and dustproof

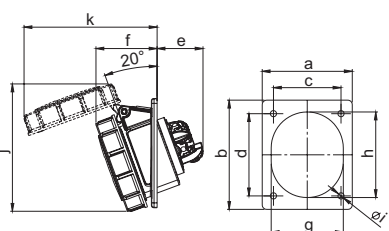


Flanged socket sloping IP67

16 Amp		
Poles	3	4
a	70	70
b	85	85
c	50	50
d	65	65
e	38	38
f	50	52
g	51	56
h	61	67
i	5,5	5,5
j	97	104
k	102	111
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	128	132

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4132-6f78v

IP67 watertight



Turbo Twist Flanged socket sloping IP67

16 Amp		
Pole	3	4
a	70	70
b	85	85
c	50	50
d	65	65
e	41	41
f	50	52
g	51	56
h	61	67
i	5,5	5,5
j	97	104
k	102	111
Connection type:	Screwless terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Weight [g]	130	133

- with screw terminals
- three-piece version
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4132-6TTf78v

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 70 x 85 - fixing center 50 x 65								
16	3	10	413-4	413-6	413-9	413-7	413-10	413-2
16	4	10	414-4	414-9	414-6	414-7	414-10	414-2



413-6

flange 70 x 85 - fixing center 50 x 65								
16	3	10	413-4TT	413-6TT	413-9TT			
16	4	10	414-4TT	414-9TT	414-6TT			



414-6TT

flange 70 x 85 - fixing center 50 x 65								
16	3	10	4132-4f78	4132-6f78	4132-9f78	4132-7f78	4132-10f78	4132-2f78
16	4	10	4142-4f78	4142-9f78	4142-6f78	4142-7f78	4142-10f78	4142-2f78



4132-6f78

flange 70 x 85 - fixing center 50 x 65								
16	3	10	4132-4TTf78	4132-6TTf78	4132-9TTf78			
16	4	10	4142-4TTf78	4142-9TTf78	4142-6TTf78			

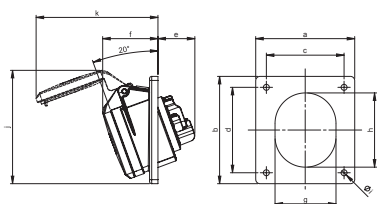


4132-6TTf78



Flanged sockets sloping

Flanged socket sloping IP44

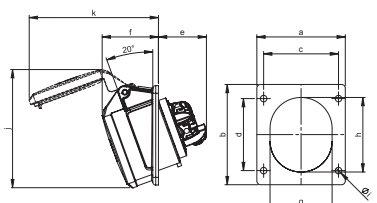


Poles	16 Amp		
	3	4	5
a	75	75	75
b	85	85	85
c	60	60	60
d	60	60	60
e	38	38	39
f	47	47	48
g	51	56	65
h	61	67	76
i	5,5	5,5	5,5
j	85	96	101
k	99	104	111
Connection type:	Screw terminal		
Wire flexible [mm²]	1-2,5		
solid [mm²]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]	111	127	153

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6f87v
- with locking area

IP44 splashproof
IP44/54 16/3 and 16/5 are splash- and dustproof

Turbo Twist Flanged socket sloping IP44

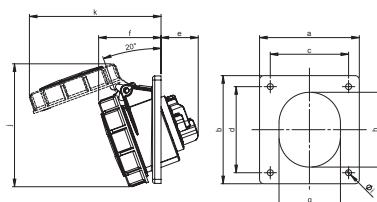


Poles	16 Amp		
	3	4	5
a	75	75	75
b	85	85	85
c	60	60	60
d	60	60	60
e	41	41	41
f	47	47	49
g	51	56	65
h	61	67	76
i	5,5	5,5	5,5
j	85	96	101
k	99	104	111
Connection type:	Screwless terminal		
Wire flexible [mm²]	1-2,5		
solid [mm²]	1-4		
Weight [g]	111	127	153

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6TTf87v
- with locking area

IP44 splashproof
IP44/54 16/3 and 16/5 are splash- and dustproof

Flanged socket sloping IP67

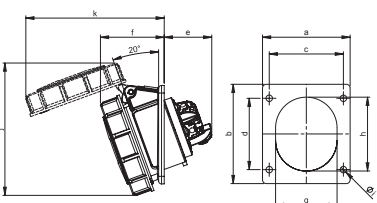


Poles	16 Amp		
	3	4	5
a	75	75	75
b	85	85	85
c	60	60	60
d	60	60	60
e	38	38	39
f	49	50	54
g	51	56	65
h	61	67	76
i	5,5	5,5	5,5
j	97	104	114
k	102	111	119
Connection type:	Screw terminal		
Wire flexible [mm²]	1-2,5		
solid [mm²]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]	127	148	181

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6f87v
- with locking area

IP67 watertight

Turbo Twist Flanged socket sloping IP67



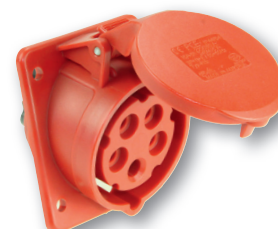
Poles	16 Amp		
	3	4	5
a	75	75	75
b	85	85	85
c	60	60	60
d	60	60	60
e	41	41	41
f	49	50	54
g	51	56	65
h	61	67	76
i	5,5	5,5	5,5
j	97	104	114
k	102	111	119
Connection type:	Screwless terminal		
Wire flexible [mm²]	1-2,5		
solid [mm²]	1-4		
Weight [g]	127	148	181

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6TTf87v
- with locking area

IP67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 75 x 85 - fixing center 60 x 60								
16	3	10	413-4f87	413-6f87	413-9f87	413-7f87	413-10f87	413-2f87
16	4	10	414-4f87	414-9f87	414-6f87	414-7f87	414-10f87	414-2f87
16	5	10	415-4f87	415-9f87	415-6f87	415-7f87	415-10f87	415-2f87



415-6f87

flange 75 x 85 - fixing center 60 x 60								
16	3	10	413-4TTf87	413-6TTf87	413-9TTf87	413-7TTf87	413-10TTf87	413-2TTf87
16	4	10	414-4TTf87	414-9TTf87	414-6TTf87	414-7TTf87	414-10TTf87	414-2TTf87
16	5	10	415-4TTf87	415-9TTf87	415-6TTf87	415-7TTf87	415-10TTf87	415-2TTf87



415-6TTf87

flange 75 x 85 - fixing center 60 x 60								
16	3	10	4132-4f87	4132-6f87	4132-9f87	4132-7f87	4132-10f87	4132-2f87
16	4	10	4142-4f87	4142-9f87	4142-6f87	4142-7f87	4142-10f87	4142-2f87
16	5	10	4152-4f87	4152-9f87	4152-6f87	4152-7f87	4152-10f87	4152-2f87



4152-6f87

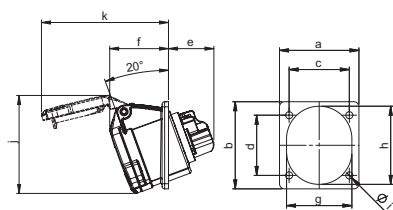
flange 75 x 85 - fixing center 60 x 60								
16	3	10	4132-4TTf87	4132-6TTf87	4132-9TTf87	4132-7TTf87	4132-10TTf87	4132-2TTf87
16	4	10	4142-4TTf87	4142-9TTf87	4142-6TTf87	4142-7TTf87	4142-10TTf87	4142-2TTf87
16	5	10	4152-4TTf87	4152-9TTf87	4152-6TTf87	4152-7TTf87	4152-10TTf87	4152-2TTf87



4152-6TTf87



Flanged sockets sloping



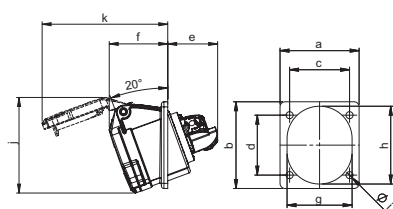
Flanged socket sloping, lockable IP44



	16 Amp	
Poles	3	
a	62	
b	68	
c	47	
d	47	
e	38	
f	46	
g	51	
h	61	
i	5,5	
j	77	
k	99	
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	111	

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a „v“ e.g. 413-6f66v
- lockable with padlock

IP44/54 splash- and dustproof



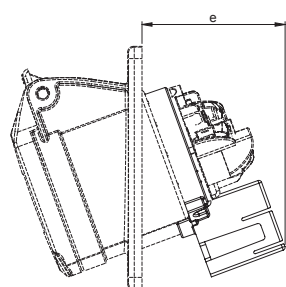
Turbo Twist Flanged socket sloping, lockable IP44



	16 Amp	
Poles	3	
a	62	
b	68	
c	47	
d	47	
e	41	
f	46	
g	51	
h	61	
i	5,5	
j	77	
k	99	
Connection type:	Screwless terminal	
Wire flexible [mm²]	1-2,5	
solid [mm²]	1-4	
Weight [g]	113	

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a „v“ e.g. 413-6TTf66v
- lockable with padlock

IP44/54 splash- and dustproof



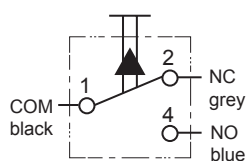
Flanged socket sloping with auxiliary switch



	16 Amp	32 Amp
Poles	3	3
e	51	58
Connection type:	Schraubklemme	
Wire flexible [mm²]	1-2,5	2,5-6
solid [mm²]	1-4	2,5-10
Auxiliary switch:		
Switching capacity:	10(1,5)A, 250VAC	
Conductor:	3x0,75mm²	
Conductor length:	500mm	
Contacts:	COM=black / NC=grey / NO=blue	

- **with auxiliary switch**
- flanged socket with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a „v“ e.g. 413-6TTf66hv

further technical details please see flanged sockets without auxiliary switch



Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 62 x 68 - fixing center 47 x 47								
16	3	10	413-4f66	413-6f66	413-9f66	413-7f66	413-10f66	413-2f66



flange 62 x 68 - fixing center 47 x 47								
16	3	10	413-4TTf66	413-6TTf66	413-9TTf66	413-7TTf66	413-10TTf66	413-2TTf66



				flange	IP
16	3	10	413-6f66h	62x68	IP44/54
16	3	10	413-6h	70x85	IP44/54
16	3	10	4132-6f78h	70x85	IP67
16	3	10	413-6f8h	80x97	IP44/54
16	3	10	4132-6f8h	80x97	IP67
16	3	10	413-6f9h	92x100	IP44
16	3	10	4132-6h	92x100	IP67



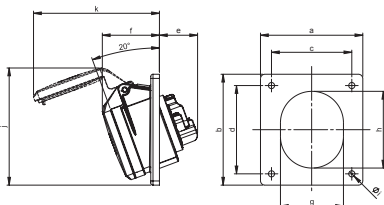
423-6f8h

32	3	10	423-6h	80x97	IP44
32	3	10	4232-6f78h	80x97	IP67
32	3	10	423-6f9h	92x100	IP44
32	3	10	4232-6h	92x100	IP67



Flanged sockets sloping

Flanged socket sloping IP44

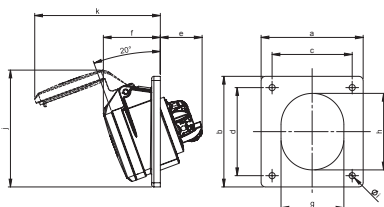


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	92	92	92	92	92	92
b	100	100	100	100	100	100
c	77	77	77	77	77	77
d	85	85	85	85	85	85
e	33	34	38	48	48	48
f	49	51	52	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	86	102	107	107	107	101
k	102	107	111	121	121	132
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	141	146	175	199	218	246

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6f9v

IP44 splashproof
IP44/54 16/5 and 32/5 are splash- and dustproof

Turbo Twist Flanged socket sloping IP44

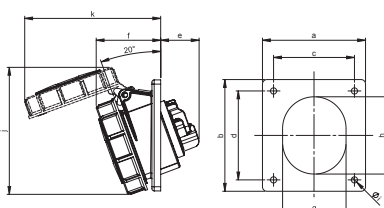


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	92	92	92	92	92	92
b	100	100	100	100	100	100
c	77	77	77	77	77	77
d	85	85	85	85	85	85
e	37	38	38	48	48	48
f	49	51	52	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	86	102	107	107	107	101
k	102	107	114	121	121	132
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	141	147	170	199	218	226

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6TTf9v

IP44 splashproof
IP44/54 16/5 and 32/5 are splash- and dustproof

Flanged socket sloping IP67

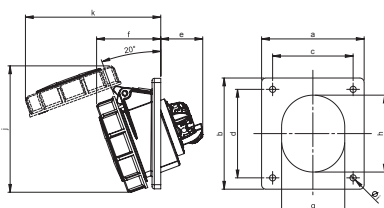


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	92	92	92	92	92	92
b	100	100	100	100	100	100
c	77	77	77	77	77	77
d	85	85	85	85	85	85
e	33	34	38	48	48	48
f	53	55	58	62	62	62
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	101	105	114	120	120	128
k	107	115	122	130	130	131
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	160	167	199	221	237	280

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6v

IP67 watertight

Turbo Twist Flanged socket sloping IP67



	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	92	92	92	92	92	92
b	100	100	100	100	100	100
c	77	77	77	77	77	77
d	85	85	85	85	85	85
e	33	34	38	48	48	48
f	53	55	58	62	62	62
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	101	105	114	120	120	128
k	107	115	122	130	130	131
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	149	168	203	220	237	281

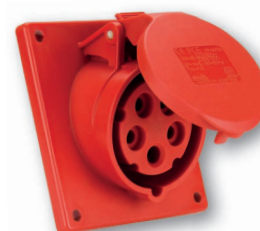
- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6TTv

IP67 watertight

Amp.	Poles	pack unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	>50- 500V~ 100-300Hz 10h	>50- 500V~ 301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

flange 92 x 100 - fixing center 77 x 85

16	3	10	413-4f9	413-6f9	413-9f9	413-7f9	413-10f9	413-2f9
16	4	10	414-4f9	414-9f9	414-6f9	414-7f9	414-10f9	414-2f9
16	5	10	415-4f9	415-9f9	415-6f9	415-7f9	415-10f9	415-2f9
32	3	10	423-4f9	423-6f9	423-9f9	423-7f9	423-10f9	423-2f9
32	4	10	424-4f9	424-9f9	424-6f9	424-7f9	424-10f9	424-2f9
32	5	10	425-4f9	425-9f9	425-6f9	425-7f9	425-10f9	425-2f9



415-6f9

flange 92 x 100 - fixing center 77 x 85

16	3	10	413-4TTf9	413-6TTf9	413-9TTf9			
16	4	10	414-4TTf9	414-9TTf9	414-6TTf9			
16	5	10	415-4TTf9	415-9TTf9	415-6TTf9			
32	3	10	423-4TTf9	423-6TTf9	423-9TTf9			
32	4	10	424-4TTf9	424-9TTf9	424-6TTf9			
32	5	10	425-4TTf9	425-9TTf9	425-6TTf9			



425-9TTf9

flange 92 x 100 - fixing center 77 x 85

16	3	10	4132-4	4132-6	4132-9	4132-7	4132-10	4132-2
16	4	10	4142-4	4142-9	4142-6	4142-7	4142-10	4142-2
16	5	10	4152-4	4152-9	4152-6	4152-7	4152-10	4152-2
32	3	10	4232-4	4232-6	4232-9	4232-7	4232-10	4232-2
32	4	10	4242-4	4242-9	4242-6	4242-7	4242-10	4242-2
32	5	10	4252-4	4252-9	4252-6	4252-7	4252-10	4252-2



4132-6

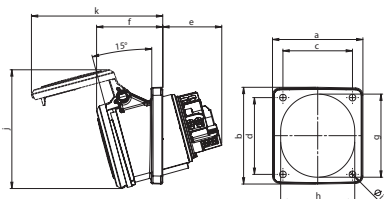
flange 92 x 100 - fixing center 77 x 85

16	3	10	4132-4TT	4132-6TT	4132-9TT			
16	4	10	4142-4TT	4142-9TT	4142-6TT			
16	5	10	4152-4TT	4152-9TT	4152-6TT			
32	3	10	4232-4TT	4232-6TT	4232-9TT			
32	4	10	4242-4TT	4242-9TT	4242-6TT			
32	5	10	4252-4TT	4252-9TT	4252-6TT			



4142-6TT

Flanged sockets sloping

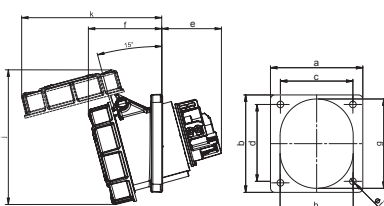


Power Twist Flanged socket sloping IP44

Poles	63 Amp			63 Amp			63 Amp		
	3	4	5	3	4	5	3	4	5
a	100	100	100	100	100	100	106	106	106
b	112	112	112	107	107	107	110	110	110
c	80	80	80	77	77	77	90	90	90
d	88	88	88	85	85	85	90	90	90
e	64	64	64	64	64	64	64	64	64
f	74	74	74	74	74	74	74	74	74
g	92	92	92	92	92	92	92	92	92
h	82	82	82	82	82	82	82	82	82
i	7	7	7	7	7	7	7	7	7
j	132	132	132	132	132	132	132	132	132
k	146	146	146	146	146	146	146	146	146
Connection type:	Contact frame with screws								
Wire flexible [mm²]	6-16								
solid [mm²]	6-25								
Contact screws [Ncm]	200 Ncm								
Weight [g]	447	492	547	443	488	543	450	395	550

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 43351-6 (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 43361-6 (see page 10)

IP44 splashproof

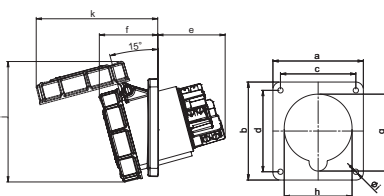


Power Twist Flanged socket sloping IP67

Poles	63 Amp			63 Amp			63 Amp		
	3	4	5	3	4	5	3	4	5
a	100	100	100	100	100	100	106	106	106
b	112	112	112	107	107	107	110	110	110
c	80	80	80	77	77	77	90	90	90
d	88	88	88	85	85	85	90	90	90
e	64	64	64	64	64	64	64	64	64
f	80	80	80	80	80	80	80	80	80
g	92	92	92	92	92	92	92	92	92
h	82	82	82	82	82	82	82	82	82
i	7	7	7	7	7	7	7	7	7
j	148	148	148	148	148	148	148	148	148
k	154	154	154	154	154	154	154	154	154
Connection type:	Contact frame with screws								
Wire flexible [mm²]	6-16								
solid [mm²]	6-25								
Contact screws [Ncm]	200 Ncm								
Weight [g]	495	540	595	491	536	591	498	443	598

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 4355-6 (see page 9)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 4356-6 (see page 10)

IP66/67 watertight



Power Twist Flanged socket sloping IP67

Poles	125 Amp			125 Amp		
	3	4	5	3	4	5
a	120	120	120	114	114	114
b	130	130	130	114	114	114
c	100	100	100	90	90	90
d	108	108	108	90	90	90
e	92	92	92	92	92	92
f	77	77	77	77	77	77
g	102	102	102	102	102	102
h	90	90	90	90	90	90
i	7	7	7	7	7	7
j	160	160	160	160	160	160
k	162	162	162	162	162	162
Connection type:	Contact frame with screws					
Wire flexible [mm²]	16-50					
solid [mm²]	16-70					
Contact screws [Ncm]	450 Ncm					
Weight [g]	804	896	995	792	880	987

- contact frame with hexagon socket screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 4455-6 (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 4456-6 (see page 10)

IP66/67 watertight

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50- 500V~	>50- 500V~
			50/60Hz 4h	50/60Hz 3p=6h 4p+5p=9h	50/60Hz 3p=9h 4p+5p=6h	50/60Hz 7h	100-300Hz 10h	301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
flange 100 x 112 - fixing center 80 x 88								
63	3	2	4331-4	4331-6	4331-9	4331-7	4331-10	4331-2
63	4	2	4341-4	4341-9	4341-6	4341-7	4341-10	4341-2
63	5	2	4351-4	4351-9	4351-6	4351-7	4351-10	4351-2
flange 100 x 107 - fixing center 77 x 85								
63	3	2	4331-4fc	4331-6fc	4331-9fc	4331-7fc	4331-10fc	4331-2fc
63	4	2	4341-4fc	4341-9fc	4341-6fc	4341-7fc	4341-10fc	4341-2fc
63	5	2	4351-4fc	4351-9fc	4351-6fc	4351-7fc	4351-10fc	4351-2fc
flange 106 x 110 - fixing center 90 x 90								
63	3	2	4331-4fd	4331-6fd	4331-9fd	4331-7fd	4331-10fd	4331-2fd
63	4	2	4341-4fd	4341-9fd	4341-6fd	4341-7fd	4341-10fd	4341-2fd
63	5	2	4351-4fd	4351-9fd	4351-6fd	4351-7fd	4351-10fd	4351-2fd



4351-6

flange 100 x 112 - fixing center 80 x 88								
63	3	2	433-4	433-6	433-9	433-7	433-10	433-2
63	4	2	434-4	434-9	434-6	434-7	434-10	434-2
63	5	2	435-4	435-9	435-6	435-7	435-10	435-2
flange 100 x 107 - fixing center 77 x 85								
63	3	2	433-4fc	433-6fc	433-9fc	433-7fc	433-10fc	433-2fc
63	4	2	434-4fc	434-9fc	434-6fc	434-7fc	434-10fc	434-2fc
63	5	2	435-4fc	435-9fc	435-6fc	435-7fc	435-10fc	435-2fc
flange 106 x 110 - fixing center 90 x 90								
63	3	2	433-4fd	433-6fd	433-9fd	433-7fd	433-10fd	433-2fd
63	4	2	434-4fd	434-9fd	434-6fd	434-7fd	434-10fd	434-2fd
63	5	2	435-4fd	435-9fd	435-6fd	435-7fd	435-10fd	435-2fd



435-6

flange 120 x 130 - fixing center 100 x 108								
125	3	2	443-4	443-6	443-9	443-7	443-10	443-2
125	4	2	444-4	444-9	444-6	444-7	444-10	444-2
125	5	2	445-4	445-9	445-6	445-7	445-10	445-2
flange 114 x 114 - fixing center 90 x 90								
125	3	2	443-4fe	443-6fe	443-9fe	443-7fe	443-10fe	443-2fe
125	4	2	444-4fe	444-9fe	444-6fe	444-7fe	444-10fe	444-2fe
125	5	2	445-4fe	445-9fe	445-6fe	445-7fe	445-10fe	445-2fe



445-6





DESIGN-SOCKETS

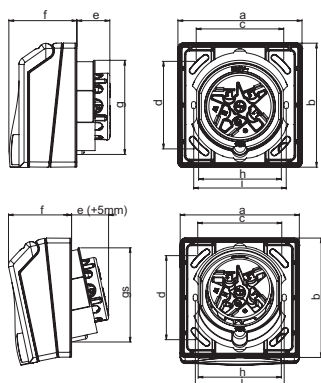
Design-Sockets



	Page	
Flanged socket	98	
Surface outlet	98	
Flush outlet	98	
Accessories	100	



Design Socket

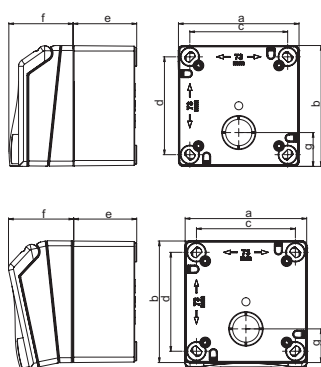


Flanged socket

	16 Amp			32 Amp	SSD
Poles	3	4	5	5	2P+E
Flange					
a x b	90	90	90	90	90
Fixing center					
c x d	60	60	60	60	60
e	23	24	24	36	16
f	48	48	48	48	48
g	66	66	69	78	66
gs	69	69	72	78	69
h	63	63	63	74	63
i	67	67	67		67
Connection type:	Screw terminal				
Wire flexible [mm²]	1-2,5			2,5-6	1 - 2x2,5
solid [mm²]	1-4			2,5-10	1 - 2x2,5
Contact screws [Ncm]	100 Ncm			110 Ncm	80 Ncm
Weight [g]	196	215	231	290	159

- with screw terminals for wiring through
- housing material: PC/ABS
- contacts: nickel-plated contacts
- Flange can be rotated by 180° - straight and sloping design all in one!
- suitable for installation of cable conduits
- 16A sockets: installation also possible in customary cavity wall and concrete sockets with fixing center 67mm
- with inscription field

IP44 splashproof

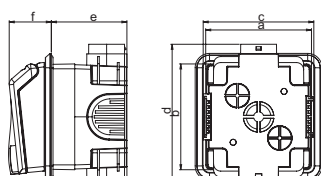


Surface outlet

	16 Amp			32 Amp	SSD
Poles	3	4	5	5	2P+E
Flange					
a x b	90	90	90	90	90
Fixing center					
c x d	73	73	73	73	73
e	47	47	47	47	47
f	48	48	48	48	48
g	25	25	25	25	25
Connection type:	Screw terminal				
Wire flexible [mm²]	1-2,5			2,5-6	1 - 2x2,5
solid [mm²]	1-4			2,5-10	1 - 2x2,5
Contact screws [Ncm]	100 Ncm			110 Ncm	80 Ncm
Weight [g]	282	302	318	376	245

- with screw terminals for wiring trough
- housing material: PC/ABS
- contacts: nickel-plated contacts
- Flange can be rotated by 180° - straight and sloping design all in one!
- one side entry with offset nipple, possible entry on the other with cutout
- with inscription field

IP44 splashproof



Flush outlet

	16 Amp			32 Amp	SSD
Poles	3	4	5	5	2P+E
Flange					
a x b	90	90	90	90	90
Fixing center					
c	92	92	92	92	92
d	115	115	115	115	115
e	64	64	64	64	64
f	35	35	35	35	35
Connection type:	Screw terminal				
Wire flexible [mm²]	1-2,5			2,5-6	1 - 2x2,5
solid [mm²]	1-4			2,5-10	1 - 2x2,5
Contact screws [Ncm]	100 Ncm			110 Ncm	80 Ncm
Weight [g]	278	298	313	373	240

- with screw terminals for wiring through
- housing material: PC/ABS
- contacts: nickel-plated contacts
- entry from top, bottom, side or rear by cutout
- in rows combinable with horizontal and vertical insertion
- with inscription field
- with integrated cover frame and a fix inclination of 6° - small projection (35mm)

IP44 splashproof



All Design Sockets are safe against ball throwing according DIN 18032 for the special application in sports halls.

Flange can be rotated by 180° – straight and sloping design all in one!



Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	250V~ 50/60Hz 2P+E
			Cat.No.	Cat.No.	Cat.No.	Cat.No.
			(CEE-socket)	(CEE-socket)	(CEE-socket)	(with safety socket acc. Austrian/German system)
16	3	6	843-4v	843-6v	843-9v	8430v
16	4	6	844-4v	844-9v	844-6v	
16	5	6	845-4v	845-9v	845-6v	
32	5	6	855-4v	855-9v	855-6v	
16	2P+E	6				



16	3	6	863-4v	863-6v	863-9v	8630v
16	4	6	864-4v	864-9v	864-6v	
16	5	6	865-4v	865-9v	865-6v	
32	5	6	875-4v	875-9v	875-6v	
16	2P+E	6				



16	3	6	883-4v	883-6v	883-9v	8830v
16	4	6	884-4v	884-9v	884-6v	
16	5	6	885-4v	885-9v	885-6v	
32	5	6	895-4v	895-9v	895-6v	
16	2P+E	6				



Inscription field as standard
incl. paper insert

Flush socket outlet projection



All Design Sockets are available in the following colours: white (= standard)
and light grey:

To order white, just choose the above mentioned numbers	e.g.	845-6v	RAL 9016
To order light grey add „g“	e.g.	845-6gv	RAL 7035

Design Socket Accessories



Cover frame 1-way with gasket

- Dimensions: 105 x 105

white **9021**
light grey **9021g**

pack.unit: 25

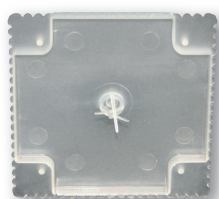


Cover frame 2-way with gasket

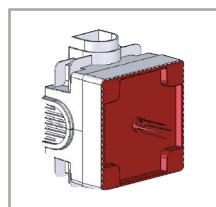
- Dimensions: 195 x 105

white **9022**
light grey **9022g**

pack.unit: 25

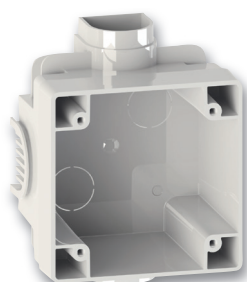


Plaster Cover



903

pack.unit: 25



Flush socket

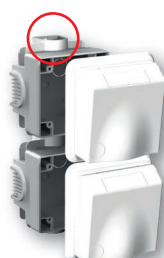
- incl. screws 4 pcs.

light grey **88300**

pack.unit: 10

Installation help:

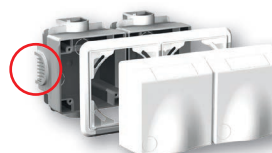
Connection device for 1-way frame



1x flush outlet
e.g.: 885-6v

1x flush outlet
e.g.: 885-6v

Sliding connection for 2-way frame



2x flush socket (88300)

1x 2-way frame (e.g.: 9022)

2x flanged socket (e.g.: 845-6v)

Blank flange for surface socket and flush socket* as accessories

*) assembly only possible with frame cover

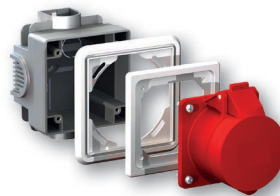
white	tf9092
light grey	tf9092g
pack.unit: 25	



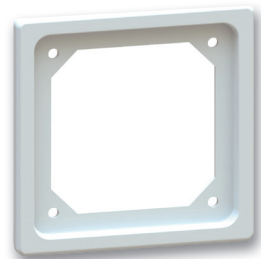
Flange adapter for surface socket and flush socket* as accessories

- for fittings with flange size 75x75mm and fixing center 60x60mm

*) assembly only possible with frame cover



white	tf9091
light grey	tf9091g
pack.unit: 25	



Surface socket

- incl. screws 4 pcs.



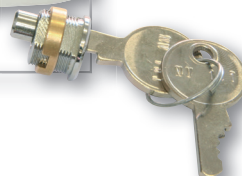
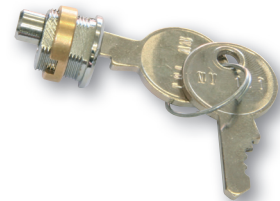
Example:
1x surface socket 86300
1x flange adapter tf9091
1x flanged socket 325-6f7

white	86300
light grey	86300g
pack.unit: 10	



Locking

simultaneous locking	901026
	901025
	pack.unit: 1



Fast and easy installation of the lock by loose locking outbreak





SWITCHED INTERLOCKED SOCKETS

16A - 125A

Switched interlocked sockets



Page

Switched interlocked sockets – Compact series

104



Switched interlocked sockets

108



Switched interlocked sockets with DIN-rail

116



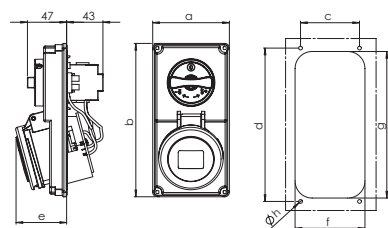
Switched interlocked sockets fused

118



Switched interlocked sockets – Compact series

mechanical interlock, lockable by padlock

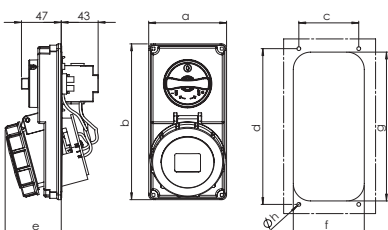


Switched interlocked socket - panel mounting

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	90	90	90	90	90	90
b	180	180	180	180	180	180
c	79	79	79	79	79	79
d	169	169	169	169	169	169
e	57	59	60	66	66	67
f	80	80	80	80	80	80
g	155	155	155	155	155	155
h	4,4	4,4	4,4	4,4	4,4	4,4
Connection type:	Screw terminal					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	456	481	505	507	530	565

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- mechanical interlock

IP44 splashproof



Switched interlocked socket - panel mounting

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	90	90	90	90	90	90
b	180	180	180	180	180	180
c	79	79	79	79	79	79
d	169	169	169	169	169	169
e	57	59	60	66	66	67
f	80	80	80	80	80	80
g	155	155	155	155	155	155
h	4,4	4,4	4,4	4,4	4,4	4,4
Connection type:	Screw terminal					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	474	502	535	538	563	603

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- mechanical interlock

IP67 watertight

Advantages:

- compact design
- small dimensions - space saving storage
- all components are mounted on top
- as flanged version suitable for distribution boxes and boards
- ready wired for connection
- at switch-off position: lockable by padlock 
- mechanical interlock: after plugging and switching-on **plug is locked** after switching-off and unplugging **switch is locked**

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	440V~ 60Hz 3h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	1	6013-4	6013-6	6013-9	6013-7	
16	4	1	6014-4	6014-9	6014-6	6014-7	
16	5	1	6015-4	6015-9	6015-6	6015-7	
32	3	1	6023-4	6023-6	6023-9	6023-7	
32	4	1	6024-4	6024-9	6024-6	6024-7	
32	5	1	6025-4	6025-9	6025-6	6025-7	



6015-6

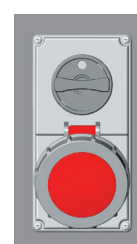
16	3	1	60132-4	60132-6	60132-9	60132-7	
16	4	1	60142-4	60142-9	60142-6	60142-7	
16	5	1	60152-4	60152-9	60152-6	60152-7	
32	3	1	60232-4	60232-6	60232-9	60232-7	
32	4	1	60242-4	60242-9	60242-6	60242-7	60242-3
32	5	1	60252-4	60252-9	60252-6	60252-7	



60152-6

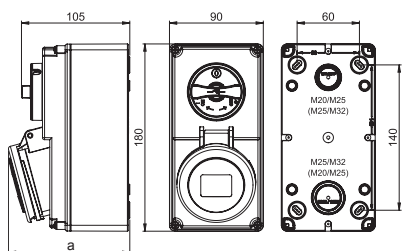
Technical data:

- switched interlocked socket for panel/wall mounting
- 16A and 32A; 3-, 4- and 5 poles
- IP44 and IP67
- ON/OFF switch PCE-Merz ML0; EN 60947-3: AC22A; 10 kA**
- large connecting area
- enclosure made of shock-resistant thermoplastic material
- approved acc. to EN 60309, ÖVE



Switched interlocked sockets – Compact series

mechanical interlock, lockable by padlock

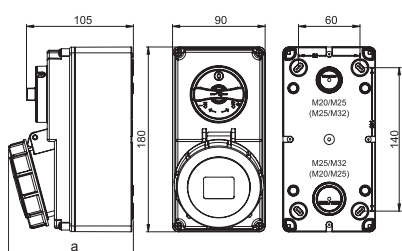


Switched interlocked socket - wall mounting

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	115	116	117	123	123	124
Connection type:	Screw terminal					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	617	641	664	666	691	726

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- mechanical interlock
- rear entry M20/M25 and M25/M32
- bottom part can be rotated 180°

IP44 splashproof

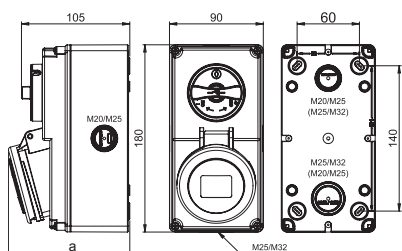


Switched interlocked socket - wall mounting

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	119	120	122	125	125	128
Connection type:	Screw terminal					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	636	664	694	698	725	765

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- mechanical interlock
- rear entry M20/M25 and M25/M32
- bottom part can be rotated 180°

IP67 watertight

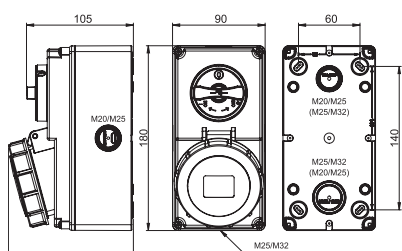


Switched interlocked socket - wall mounting with knock-out

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	115	116	117	123	123	124
Connection type:	Screw terminal					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	616	640	663	665	691	725

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- mechanical interlock
- cable entry:
 - rear entry M20/M25 and M25/M32
 - side entry (left and right) M20/M25**
 - top entry M25/M32**
 - bottom entry M20/M25**
- bottom part can be rotated 180°

IP44 splashproof



Switched interlocked socket - wall mounting with knock-out

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	119	120	122	125	125	128
Connection type:	Screw terminal					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	635	663	693	697	725	764

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- mechanical interlock
- cable entry:
 - rear entry M20/M25 and M25/M32
 - side entry (left and right) M20/M25**
 - top entry M25/M32**
 - bottom entry M20/M25**
- bottom part can be rotated 180°

IP67 watertight

Advantages:

- compact design
- small dimensions - space saving storage
- all components are mounted on top
- as flanged version suitable for distribution boxes and boards
- ready wired for connection
- at switch-off position: lockable by padlock 

- mechanical interlock:
 - after plugging and switching-on **plug is locked**
 - after switching-off and unplugging **switch is locked**

110V~

 50/60Hz
4h

230V~

 50/60Hz
3p=6h
4p+5p=9h

400V~

 50/60Hz
3p=9h
4p+5p=6h

500V~

 50/60Hz
7h

440V~

 60Hz
3h

Amp.	Poles	pack. unit
16	3	1
16	4	1
16	5	1
32	3	1
32	4	1
32	5	1

Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
6113-4	6113-6	6113-9	6113-7	
6114-4	6114-9	6114-6	6114-7	
6115-4	6115-9	6115-6	6115-7	
6123-4	6123-6	6123-9	6123-7	
6124-4	6124-9	6124-6	6124-7	
6125-4	6125-9	6125-6	6125-7	



6115-6

16	3	1	61132-4	61132-6	61132-9	61132-7	
16	4	1	61142-4	61142-9	61142-6	61142-7	
16	5	1	61152-4	61152-9	61152-6	61152-7	
32	3	1	61232-4	61232-6	61232-9	61232-7	
32	4	1	61242-4	61242-9	61242-6	61242-7	61242-3
32	5	1	61252-4	61252-9	61252-6	61252-7	



61152-6

16	3	1	6113-4k	6113-6k	6113-9k	6113-7k
16	4	1	6114-4k	6114-9k	6114-6k	6114-7k
16	5	1	6115-4k	6115-9k	6115-6k	6115-7k
32	3	1	6123-4k	6123-6k	6123-9k	6123-7k
32	4	1	6124-4k	6124-9k	6124-6k	6124-7k
32	5	1	6125-4k	6125-9k	6125-6k	6125-7k



6125-6k

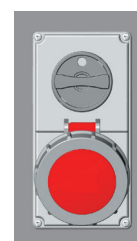
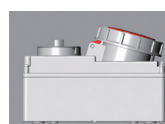
16	3	1	61132-4k	61132-6k	61132-9k	61132-7k	
16	4	1	61142-4k	61142-9k	61142-6k	61142-7k	
16	5	1	61152-4k	61152-9k	61152-6k	61152-7k	
32	3	1	61232-4k	61232-6k	61232-9k	61232-7k	
32	4	1	61242-4k	61242-9k	61242-6k	61242-7k	61242-3k
32	5	1	61252-4k	61252-9k	61252-6k	61252-7k	



61252-6k

Technical data:

- switched interlocked socket for panel/wall mounting
- 16A and 32A; 3-, 4- and 5 poles
- IP44 and IP67
- ON/OFF switch PCE-Merz ML0; EN 60947-3: AC22A; 10 kA**
- large connecting area
- enclosure made of shock-resistant thermoplastic material
- approved acc. to EN 60309, ÖVE



Switched interlocked sockets 16/32A

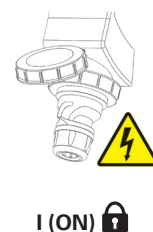
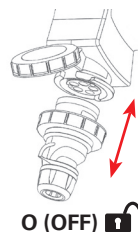
The new generation switched interlocked sockets 16/32A is a combination of modern design and highest performance, according to EN60309, ÖVE

VERSIONS:

- 16A and 32A
- 3-, 4- and 5-poles up to 690V (5h)
- IP rating IP54 and IP66/67
- for installation indoor and outdoor
- 2 housing sizes: 230mm without protection
 340mm with protection

ADVANTAGES:

- Housing components made of high valuable PC/ABS plastics
- Robust construction for wall mounting
- Large rotary knob 3-times lockable in OFF position with padlock (40mm) 
- Housing screws stainless steel
- *Mechanical interlock
 - after plugging and switching ON plug is locked
 - after switching OFF and unplugging switch is locked





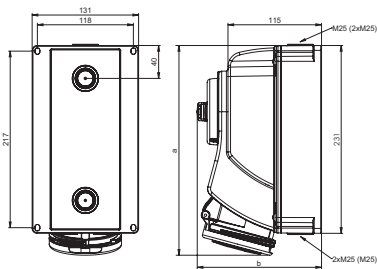
SWITCHED INTERLOCKED SOCKETS PROTECTED

- long version (340mm) with window for 5 units
- window easy accessible on top
- integrated DIN rail EN50022 for all standard protection elements (MCB, RCD, ...)
- ready wired to the DIN rail



Switched interlocked sockets – for wall mounting

mechanical interlock, lockable by padlock



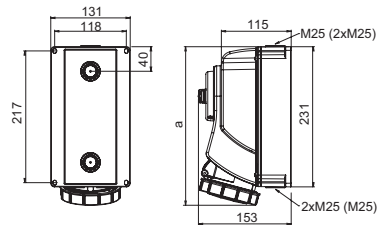
Switched interlocked socket – wall mounting

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	249	249	249	259	259	259
b	153	153	153	153	153	153
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1,5-2,5			2,5-6		
solid [mm ²]	1,5-4			2,5-10		
Weight [g]	1067	1072	1118	1123	1136	1183

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung

IP44 splashproof

* Option: M32 or closed



Switched interlocked socket – wall mounting

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	251	251	253	260	260	262
b	153	153	153	153	153	153
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1,5-2,5			2,5-6		
solid [mm ²]	1,5-4			2,5-10		
Weight [g]	1130	1150	1190	1210	1220	1270

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung

IP66/67 watertight

* Option: M32 or closed

Advantages:

- stable design for wall mounting
- mechanical interlock:
 - after plugging and switching-on plug is locked
 - after switching-off and unplugging switch is locked
- all components are mounted on bottom
- large connecting area
- ready wired for connection
- for 16A and 32A wiring-through
- at switch-off position: lockable by padlock (40mm) 

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	440V~ 60Hz 3h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	1	7513-4	7513-6	7513-9	7513-7	
16	4	1	7514-4	7514-9	7514-6	7514-7	
16	5	1	7515-4	7515-9	7515-6	7515-7	
32	3	1	7523-4	7523-6	7523-9	7523-7	
32	4	1	7524-4	7524-9	7524-6	7524-7	
32	5	1	7525-4	7525-9	7525-6	7525-7	



7525-6

16	3	1	75132-4	75132-6	75132-9	75132-7	
16	4	1	75142-4	75142-9	75142-6	75142-7	
16	5	1	75152-4	75152-9	75152-6	75152-7	
32	3	1	75232-4	75232-6	75232-9	75232-7	
32	4	1	75242-4	75242-9	75242-6	75242-7	75242-3
32	5	1	75252-4	75252-9	75252-6	75252-7	



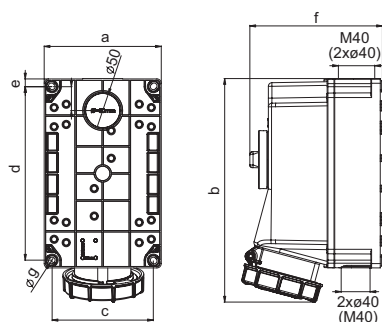
75252-6

Technical data:

- switched interlocked socket
- 16A and 32A 3-, 4- and 5 poles
- IP44 and IP67
- **ON/OFF switch PCE-Merz ML0; EN 60947-3; AC22A, 10kA**
- large connection area
- enclosure made of shock-resistant thermoplastic material
- approved acc. to EN60309, ÖVE

Switched interlocked sockets – for wall mounting

mechanical interlock, lockable by padlock



Switched interlocked socket – wall mounting

	63 Amp		
Poles	3	4	5
a	162	162	162
b	310	310	310
c	140	140	140
d	240	240	240
e	11	11	11
f	184	184	184
g	9	9	9
Connection type:	Screw terminal		
Wire flexible [mm ²]	6-25		
solid [mm ²]	6-35		
Weight [g]	2049	2032	2179

- with screw terminals
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
- mechanical interlock
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. threaded bung

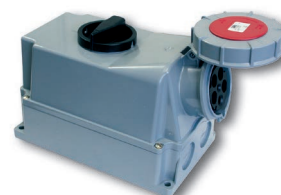
IP66/67 watertight

Advantages:

- housing material: high shock-resistant PC/ABS
- stable design for wall mounting
- suitable for in- and outdoor installations
- mechanical interlock:
 - after plugging and switching-on plug is locked
 - after switching-off and unplugging switch is locked
- generously sized connecting area
- ready wired for connection
- at switch-off position: lockable by padlock 40mm 
- external screws made of stainless steel

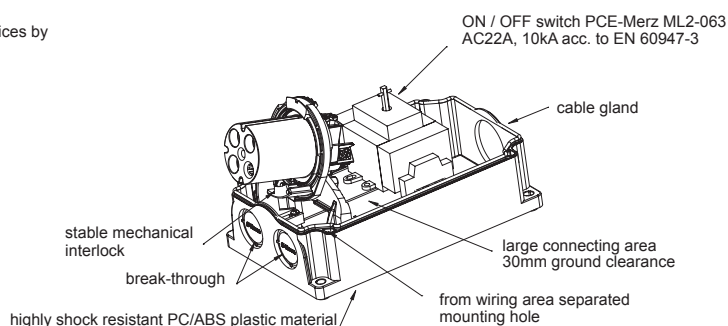
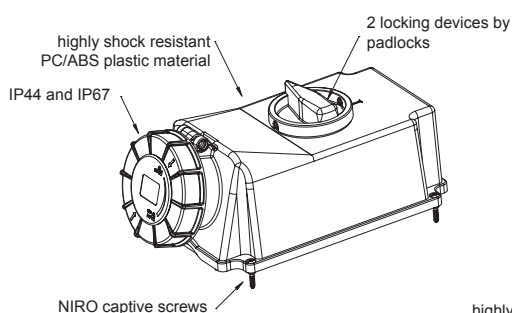
Special designs available on request

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	440V~ 60Hz 3h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
63	3	1	75332-4	75332-6	75332-9	75332-7	
63	4	1	75342-4	75342-9	75342-6	75342-7	
63	5	1	75352-4	75352-9	75352-6	75352-7	



75352-6

63A version

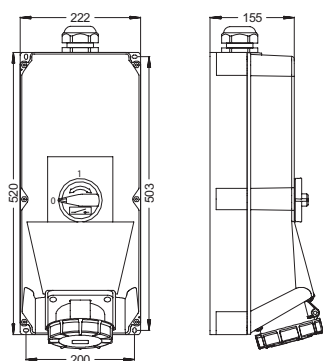


Technical data 63A:

- 63A 3-, 4- and 5 poles
- terminals max. 25/35mm²
- multiple cable entry options
- degree of protection IP66/67
- circuit breaker PCE Merz ML2-063
 - category AC22A, 690V (AC3, 690V, 3~, 22kW)
 - rated conditional short-circuit-current 10kA
 - mechanical life of 30.000 cycles
- approved acc. to EN60309, ÖVE

Switched interlocked sockets – for wall mounting

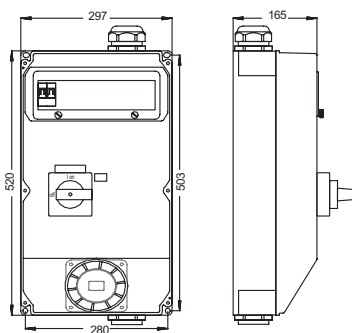
mechanical or electric interlock, lockable by padlock



Switched interlocked socket – mechanical interlock 125A

- **WxHxD = 520x222x155mm**
- with screw terminals
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
- mechanical interlock
- top entry
- compact design

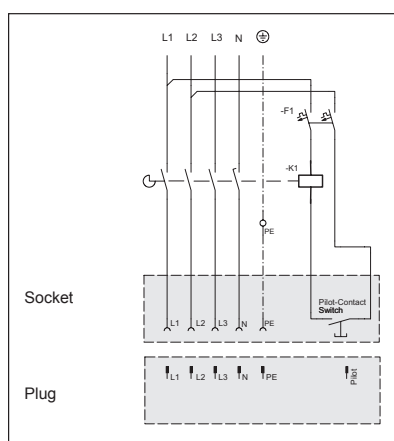
IP67 watertight



Switched interlocked socket – electric interlock 125A

- **WxHxD = 520x297x165mm**
- material PC/ABS
- compact design
- controlled by circuit breaker 125A 4p with integrated low voltage circuit breaker 400V by PCS-system (see page 10)
- top or bottom entry (M63)
- control circuit protected with circuit breaker 10A 2p
- thermic release adjustable from 0,7 to 1 In
- manual resetting after voltage breakdown of the entry (trip position)

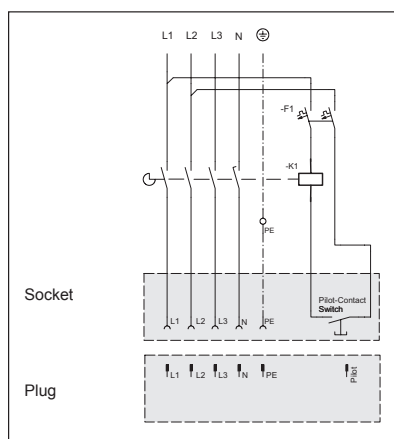
IP54 splash- and dustproof
IP66 on request



Switched interlocked socket – electric interlock 125A

- **WxHxD = 460x260x220mm**
- metal housing (RAL 7035), protection degree IP66
- controlled by circuit breaker 125A 4p with integrated low voltage circuit breaker 400V by PCS-system (see page 10)
- optional with integrated RCD protection device
- wall mounting devices outside
- top or bottom entry (M63)
- control circuit protected with circuit breaker 10A 2p
- thermic release adjustable from 0,7 to 1 In
- manual resetting after voltage breakdown of the entry (trip position)

IP66 watertight



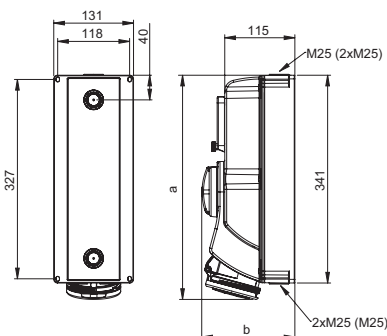
Circuit diagram

Technical data 125A:

- 125A 3-, 4- and 5 poles
- terminals max. 70/50mm²
- cable gland M50 (cable diameter 32-38mm)
- degree of protection IP66 or 67

Switched interlocked sockets – with DIN-rail

mechanical interlock, lockable by padlock



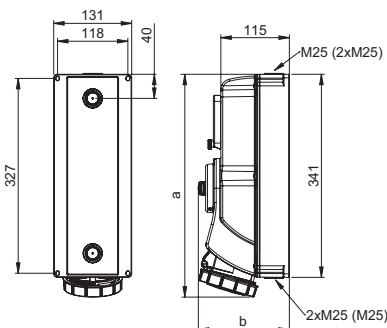
Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	359	359	359	369	369	369
b	153	153	153	153	153	153
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1,5-2,5			2,5-6		
solid [mm ²]	1,5-4			2,5-10		
Weight [g]	1454	1459	1505	1510	1523	1570

* Option: M32 or closed

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung
- with DIN-rail and hinged window for 5 modules

IP44 splashproof



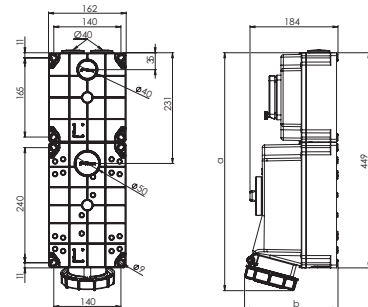
Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	361	361	363	371	371	372
b	153	153	153	153	153	153
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Screw terminal					
Wire flexible [mm ²]	1,5-2,5			2,5-6		
solid [mm ²]	1,5-4			2,5-10		
Weight [g]	1489	1494	1540	1545	1557	1605

* Option: M32 or closed

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung
- with DIN-rail and hinged window for 5 modules

IP66/67 watertight



Power Twist Switched interlocked socket – wall mounting

	63 Amp		
Poles	3	4	5
a	496	496	496
b	195	195	195
Connection type:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-16		
Weight [g]	2900	2975	3050

- contact frame with screws
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung
- with DIN-rail and hinged window for 6 modules

IP66/67 watertight

Technical data to 16A and 32A version:

- like Series 75 ... but:
- large version with spring-loaded window for 5 modules
- integrated DIN-rail EN 50022 for standard fuses, e.g. MCBs, RCDs, etc. with cap-dimensions: 45 mm
- ready wired for connection up to DIN-rail

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	440V~ 60Hz 3h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	1	7613-4	7613-6	7613-9	7613-7	
16	4	1	7614-4	7614-9	7614-6	7614-7	
16	5	1	7615-4	7615-9	7615-6	7615-7	
32	3	1	7623-4	7623-6	7623-9	7623-7	
32	4	1	7624-4	7624-9	7624-6	7624-7	
32	5	1	7625-4	7625-9	7625-6	7625-7	



7625-6

16	3	1	76132-4	76132-6	76132-9	76132-7	
16	4	1	76142-4	76142-9	76142-6	76142-7	
16	5	1	76152-4	76152-9	76152-6	76152-7	
32	3	1	76232-4	76232-6	76232-9	76232-7	
32	4	1	76242-4	76242-9	76242-6	76242-7	76242-3
32	5	1	76252-4	76252-9	76252-6	76252-7	



76252-6

63	3	1	76332-4	76332-6	76332-9	76332-7
63	4	1	76342-4	76342-9	76342-6	76342-7
63	5	1	76352-4	76352-9	76352-6	76352-7



76352-6

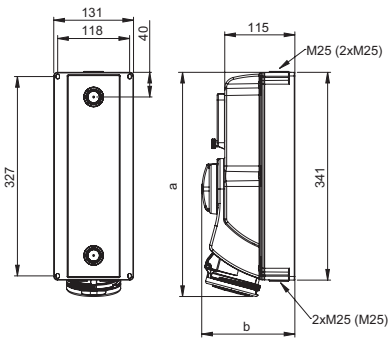
Technical data to 63A version:

- like Series 75 ... but:
- window with 6 modules
- integrated DIN-rail EN 50022 for standard fuses, e.g. MCBs, RCDs, etc.
with cap-diameters: 45mm
- ready wired for connection up to DIN-rail



Switched interlocked sockets – with fuse

mechanical interlock, lockable by padlock



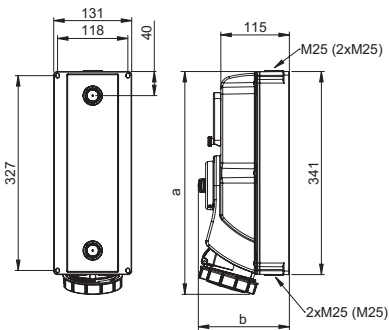
Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	359	359	359	369	369	369
b	153	153	153	153	153	153
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Schraubklemme					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	1789	1794	1840	1845	1858	1905

* Option: M32 or closed

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung
- fuse - Neozed
- (> 400V cylindrical fuse 14x51)

IP44 splashproof



Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	361	361	363	371	371	372
b	153	153	153	153	153	153
M	3x25	3x25	3x25	3x25	3x25	3x25
Connection type:	Schraubklemme					
Wire flexible [mm²]	1,5-2,5			2,5-6		
solid [mm²]	1,5-4			2,5-10		
Weight [g]	1819	1824	1870	1875	1888	1935

* Option: M32 or closed

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- mechanical interlock
- top, bottom or rear entry
- incl. threaded bung
- fuse - Neozed
- (> 400V cylindrical fuse 14x51)

IP66/67 watertight

Technical data to 16A and 32A version:

- like Series 76 ... but:
- with fuse:
for 16A and 32A: Neozed D01, D02; > 400V: cylindr. fuse 14x51
- ready wired

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h	500V~ 50/60Hz 7h	440V~ 60Hz 3h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	1	7813-4	7813-6	7813-9	7813-7	
16	4	1	7814-4	7814-9	7814-6	7814-7	
16	5	1	7815-4	7815-9	7815-6	7815-7	
32	3	1	7823-4	7823-6	7823-9	7823-7	
32	4	1	7824-4	7824-9	7824-6	7824-7	
32	5	1	7825-4	7825-9	7825-6	7825-7	



7825-6

16	3	1	78132-4	78132-6	78132-9	78132-7	
16	4	1	78142-4	78142-9	78142-6	78142-7	
16	5	1	78152-4	78152-9	78152-6	78152-7	
32	3	1	78232-4	78232-6	78232-9	78232-7	
32	4	1	78242-4	78242-9	78242-6	78242-7	78242-3
32	5	1	78252-4	78252-9	78252-6	78252-7	



78252-6



TWIST Extra-low voltage



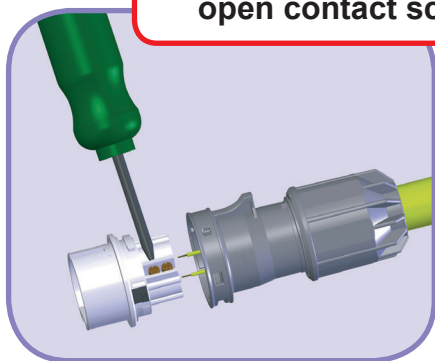
Protective extra-low-voltage is a preventive measure **for use under extreme conditions**. The **rated voltage** (AC) is limited by **max. 50V**.

Special working conditions like conductive environment in or on boilers, pipelines, containers, metal frames or limited freedom of motion require the use of extra-low-voltage plugs and sockets.

The new “**Twist**” **extra-low-voltage** series provides a **complete range of plugs, connectors and flanged sockets** which meet all installation requirements, specially developed for use on building sites, shipyards and in factories. Connecting the cable is fast and reliable! No tools are needed for assembly!

ADVANTAGES:

open contact screws



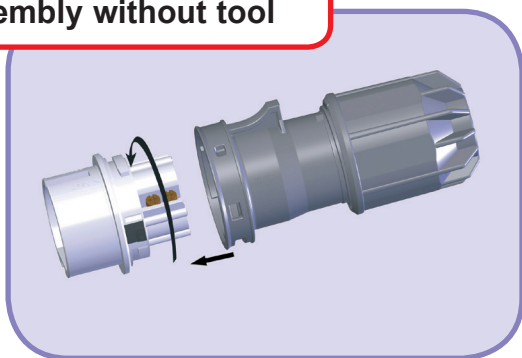
ASSEMBLY WITHOUT TOOL

- multi-ramp quick lock system
- easy fitting by twist-lock action

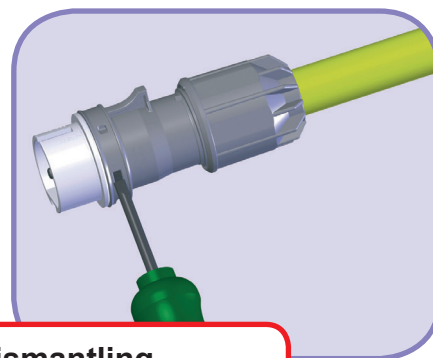
DISMANTLING

- simply unlock and twist to open

assembly without tool



dismantling



IP66/67

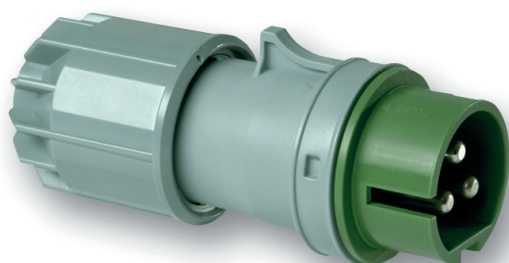
watertight

IP44/54

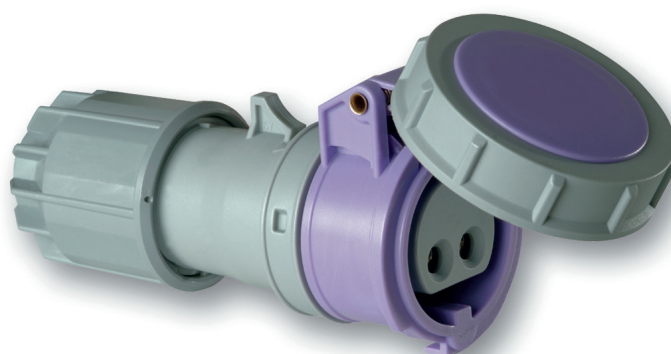
dust- and splash-proof

VERSIONS:

- 16A and 32A
- IP44/54 and IP66/67
- Plug, connector and
- flanged socket
- 2p and 3p
- 24V and 42V
- DC, 50/60Hz, 100 to 500 Hz



IP44/54



IP66/67

ADVANTAGES:

- **TWIST screwless cable gland** for very userfriendly, quick and easy assembly
- **fast cable installation**
- **strain relief and sealing of the cable by tightening the cable-lock gland**
- **maximum cable security and 100% seal**
- **ample connection space**
- **nickel-plated contacts**
- **easy to handle cable gland by multi-ramp quick-lock system**

for cable diameters from $\varnothing$ 9,5 to $\varnothing$ 24mm

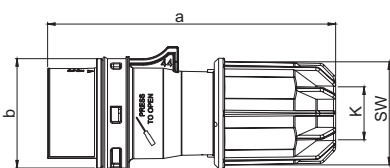


Extra-low voltage – plugs and sockets

Protective extra-low voltage

is a preventive measure for use under extreme conditions, the rated voltage (AC) is limited by max. 50V.

Special working conditions (conductive environment e.g. in or on boilers, pipelines, containers, metal frames or limited freedom of motion) require the use of extra-low voltage plugs and sockets.

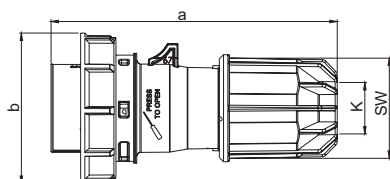


Twist Plug IP44

	16 Amp		32 Amp	
Poles	2	3	2	3
a	135	135	135	135
b	51	51	51	51
c	51	51	51	51
K_cable Ø [mm]	9,5-24	9,5-24	9,5-24	9,5-24
Connection type:	Screw terminal			
Wire flexible [mm²]	1-10			
Contact screws [Ncm]	160 Ncm			
SW	48			
Weight [g]	142	160	142	160

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP44 splashproof

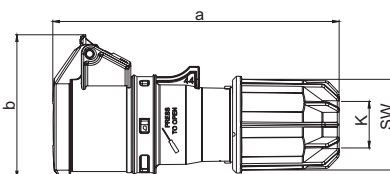


Twist Plug IP67

	16 Amp		32 Amp	
Poles	2	3	2	3
a	124	131	146	152
b	79	87	93	100
K_cable Ø [mm]	9,5-24	9,5-24	9,5-24	9,5-24
Connection type:	Screw terminal			
Wire flexible [mm²]	1-10			
Contact screws [Ncm]	160 Ncm			
SW	48			
Weight [g]	164	182	164	182

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP67 watertight

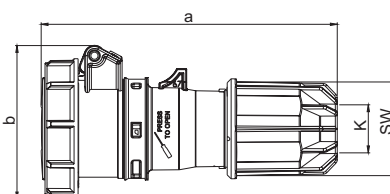


Twist Connector IP44

	16 Amp		32 Amp	
Poles	2	3	2	3
a	150	150	150	150
b	75	75	75	75
c	51	51	51	51
K_cable Ø [mm]	9,5-24	9,5-24	9,5-24	9,5-24
Connection type:	Screw terminal			
Wire flexible [mm²]	1-10			
Contact screws [Ncm]	160 Ncm			
SW	48			
Weight [g]	179	199	179	199

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP44 splashproof



Twist Connector IP67

	16 Amp		32 Amp	
Poles	2	3	2	3
a	150	150	150	150
b	78	78	78	78
c	51	51	51	51
K_cable Ø [mm]	9,5-24	9,5-24	9,5-24	9,5-24
Connection type:	Screw terminal			
Wire flexible [mm²]	1-10			
Contact screws [Ncm]	160 Ncm			
SW	48			
Weight [g]	199	219	199	219

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP67 watertight

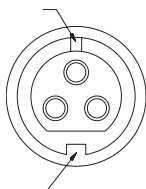
Amp.	Poles	pack. unit	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
			24V~ 50/60Hz without Minor key	42V~ 50/60Hz 12h	24/42V~ 100-200Hz 4h	24/42V~ 300Hz 2h	24/42V~ 400Hz 3h	24/42V~ 401-500Hz 11h	24/42V= DC 10h

PCE

Examples:

View: socket (front)

Minor key
3 pol.

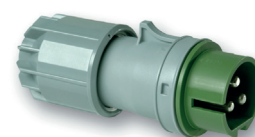


Major key
3 pol.

For extra-low voltage a minor key is used to distinguish voltage and frequency - see table.

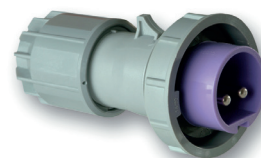
Rated Voltage - V	Frequency - Hz	Clockwise position		Colour acc. to EN 60309
		2P	3P	
20 - 25	50 / 60	without Minor key	without Minor key	Violet
40 - 50	50 / 60	12	12	White
20 - 25 and 40 - 50	100 - 200	4	4	Green
	300	2	2	Green
	400	3	3	Green
	> 400 - 500	11	11	Green
	DC	10	-	White

16	2	10	062v	082-12v	082-4v	082-2v	082-3v	082-11v	082-10v
16	3	10	063v	083-12v	083-4v	083-2v	083-3v	083-11v	083-10v
32	2	10	072v	092-12v	092-4v	092-2v	092-3v	092-11v	092-10v
32	3	10	073v	093-12v	093-4v	093-2v	093-3v	093-11v	093-10v



083-3v

16	2	10	0622v	0822-12v	0822-4v	0822-2v	0822-3v	0822-11v	0822-10v
16	3	10	0632v	0832-12v	0832-4v	0832-2v	0832-3v	0832-11v	0832-10v
32	2	10	0722v	0922-12v	0922-4v	0922-2v	0922-3v	0922-11v	0922-10v
32	3	10	0732v	0932-12v	0932-4v	0932-2v	0932-3v	0932-11v	0932-10v



0622v

16	2	10	262v	282-12v	282-4v	282-2v	282-3v	282-11v	282-10v
16	3	10	263v	283-12v	283-4v	283-2v	283-3v	283-11v	283-10v
32	2	10	272v	292-12v	292-4v	292-2v	292-3v	292-11v	292-10v
32	3	10	273v	293-12v	293-4v	293-2v	293-3v	293-11v	293-10v



282-4v

16	2	10	2622v	2822-12v	2822-4v	2822-2v	2822-3v	2822-11v	2822-10v
16	3	10	2632v	2832-12v	2832-4v	2832-2v	2832-3v	2832-11v	2832-10v
32	2	10	2722v	2922-12v	2922-4v	2922-2v	2922-3v	2922-11v	2922-10v
32	3	10	2732v	2932-12v	2932-4v	2932-2v	2932-3v	2932-11v	2932-10v

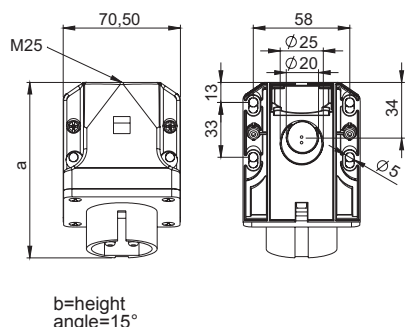


2622v



Extra-low voltage – plugs and sockets

Wall mounted plug IP44

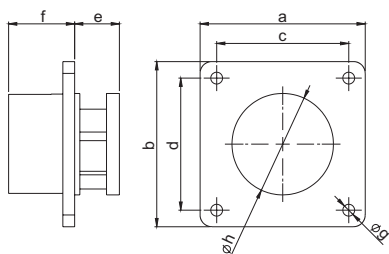


	16 Amp		32 Amp	
Poles	2	3	2	3
a	106	106	106	106
b	77	77	77	77
M	25	25	25	25
Connection type: Screw terminal				
Wire flexible [mm²]	4-10			
solid [mm²]	4-10			
Contact screws [Ncm]	110 Ncm			
Weight [g]	165	180	165	180

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

Flanged plug straight IP44

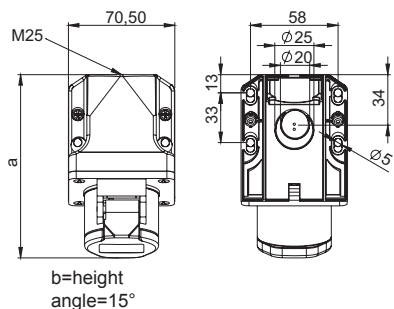


	16 Amp		32 Amp	
Poles	2	3	2	3
Flange				
a x b	70	70	70	70
Fixing center				
c x d	56	56	56	56
e	19	19	19	19
f	28	28	28	28
g	5	5	5	5
h	43	43	43	43
Connection type: Screw terminal				
Wire flexible [mm²]	4-10			
solid [mm²]	4-10			
Contact screws [Ncm]	110 Ncm			
Weight [g]	77	93	77	93

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- According to EN 60309:
For correct use a locking device has to be provided (see page 32)

IP44 splashproof

Wall socket IP44

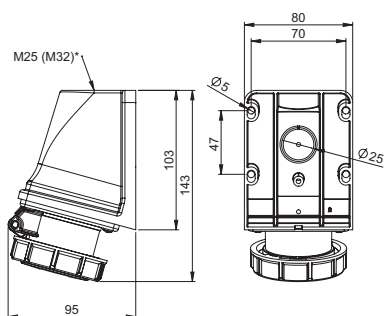


	16 Amp		32 Amp	
Poles	2	3	2	3
a	119	119	119	119
b	85	85	85	85
M	25	25	25	25
Connection type: Screw terminal				
Wire flexible [mm²]	1-10			
solid [mm²]	1,5-10			
Contact screws [Ncm]	110 Ncm			
Weight [g]	198	215	198	215

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded cable grommet

IP44 splashproof

Wall socket IP66/67



	16 Amp		32 Amp	
Poles	2	3	2	3
a	143	143	143	143
b	95	95	95	95
M	25	25	25	25
Connection type: Screw terminal				
Wire flexible [mm²]	1-10			
solid [mm²]	1,5-10			
Contact screws [Ncm]	110 Ncm			
Weight [g]	231	251	231	251

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded bung

IP66/67 watertight

* Option: M32

Amp.	Poles	pack. unit	24V~ 50/60Hz without Minor key	42V~ 50/60Hz 12h	24/42V~ 100-200Hz 4h	24/42V~ 300Hz 2h	24/42V~ 400Hz 3h	24/42V~ 401-500Hz 11h	24/42V= DC 10h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

16	2	10	562v	582-12v	582-4v	582-2v	582-3v	582-11v	582-10v
16	3	10	563v	583-12v	583-4v	583-2v	583-3v	583-11v	583-10v
32	2	10	572v	592-12v	592-4v	592-2v	592-3v	592-11v	592-10v
32	3	10	573v	593-12v	593-4v	593-2v	593-3v	593-11v	593-10v



582-12v

with flange 70 x 70 - fixing center 56 x 56									
16	2	10	662v	682-12v	682-4v	682-2v	682-3v	682-11v	682-10v
16	3	10	663v	683-12v	683-4v	683-2v	683-3v	683-11v	683-10v
32	2	10	672v	692-12v	692-4v	692-2v	692-3v	692-11v	692-10v
32	3	10	673v	693-12v	693-4v	693-2v	693-3v	693-11v	693-10v



682-12v

16	2	10	162v	182-12v	182-4v	182-2v	182-3v	182-11v	182-10v
16	3	10	163v	183-12v	183-4v	183-2v	183-3v	183-11v	183-10v
32	2	10	172v	192-12v	192-4v	192-2v	192-3v	192-11v	192-10v
32	3	10	173v	193-12v	193-4v	193-2v	193-3v	193-11v	193-10v



162v

16	2	10	1622v	1822-12v	1822-4v	1822-2v	1822-3v	1822-11v	1822-10v
16	3	10	1632v	1832-12v	1832-4v	1832-2v	1832-3v	1832-11v	1832-10v
32	2	10	1722v	1922-12v	1922-4v	1922-2v	1922-3v	1922-11v	1922-10v
32	3	10	1732v	1932-12v	1932-4v	1932-2v	1932-3v	1932-11v	1932-10v



1922-4v



Extra low voltage – plugs and sockets

Extra-low voltage: flanged sockets straight 16/32A, 2p/3p, <50V

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

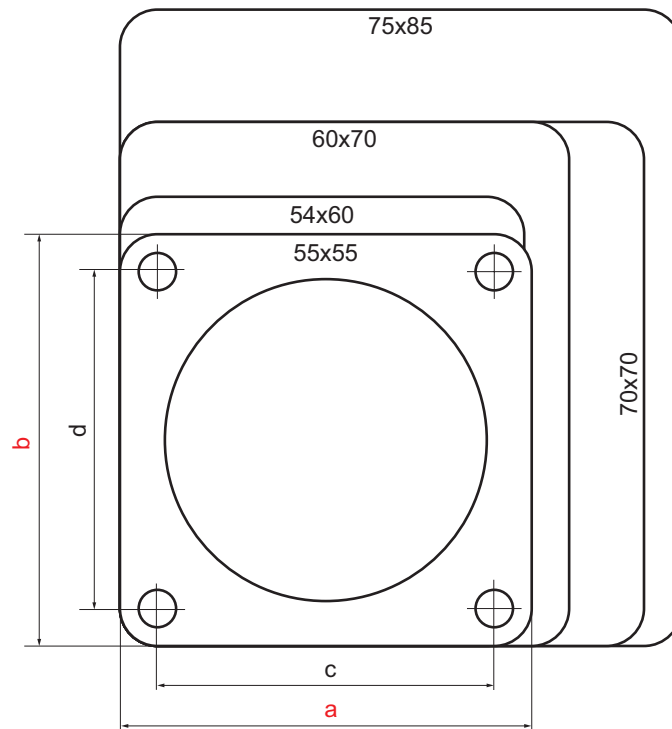
ADVANTAGES:

- reinforced lid
- **one-piece housing**
- bigger terminal connection area
- 6 different flanges available (others on request)
- **IP44/54** dust- & splashproof or
- **IP66/67** watertight



Flanged socket straight

Dimensions:



Versions:

flange		fixing-Center		page	16A		32A	
a	b	c	d	#	2p	3p	2p	3p
54	60	44	44	128-129	IP44	IP44	IP44	IP44
				130-131	IP67	IP67	IP67	IP67
55	55	41	41	128-129	IP44	IP44	IP44	IP44
55	55	45	45	128-129	IP44	IP44	IP44	IP44
60	70	47	53	128-129	IP44	IP44	IP44	IP44
70	70	56	56	128-129	IP44	IP44	IP44	IP44
75	85	60	60	128-129	IP44	IP44	IP44	IP44
				130-131	IP67	IP67	IP67	IP67



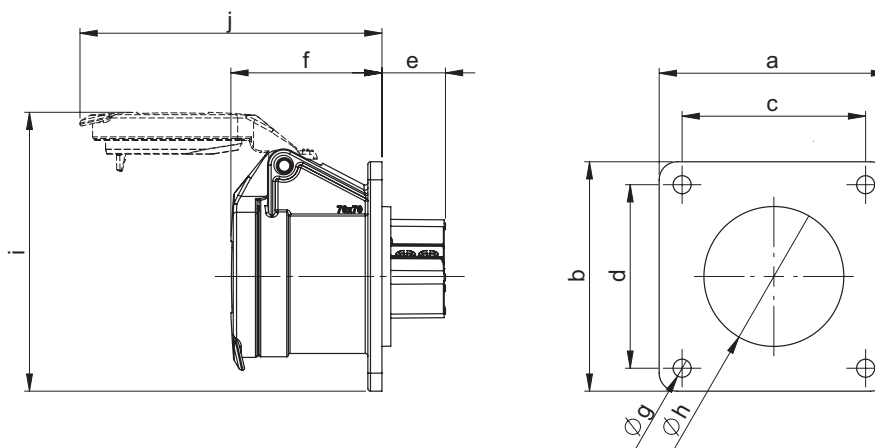
Extra-low voltage – plugs and sockets

Flanged socket straight IP44/54

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- reinforced lid
- large connection area

IP44/54

dust- & splashproof



Flange		Fixing center		Amp	Poles	e	f	Ø g	Ø h	i	j	Weight [g]
a	b	c	d									
54	60	44	44	16	2	19	47	5,5	43	81	93	109
					3							130
				32	2							109
					3							130
55	55	41	41	16	2	19	47	4,5	43	79	93	109
					3							129
				32	2							109
					3							129
55	55	45	45	16	2	19	47	4,5	43	79	93	108
					3							128
				32	2							108
					3							128
60	70	47	53	16	2	19	47	5,5	43	86	93	113
					3							133
				32	2							113
					3							133
70	70	56	56	16	2	19	47	5,5	43	86	93	118
					3							138
				32	2							118
					3							138
75	85	60	60	16	2	19	47	5,5	43	93	93	136
					3							146
				32	2							126
					3							146

- Connection type: Screw terminal
- Wire flexible: 1-10 mm²
- Wire solid: 1,5-10 mm²
- Contact screws: 110 Ncm

Flange (Fixing center)	Amp.	Poles	24V~ 50/60Hz without Minor key	42V~ 50/60Hz 12h	24/42V~ 100-200Hz 4h	24/42V~ 300Hz 2h	24/42V~ 400Hz 3h	24/42V~ 401-500Hz 11h	24/42V= DC 10h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
54 x 60 (44 x 44)	16	2	362f9v	382-12f9v	382-4f9v	382-2f9v	382-3f9v	382-11f9v	382-10f9v
	16	3	363f9v	383-12f9v	383-4f9v	383-2f9v	383-3f9v	383-11f9v	383-10f9v
	32	2	372f9v	392-12f9v	392-4f9v	392-2f9v	392-3f9v	392-11f9v	392-10f9v
	32	3	373f9v	393-12f9v	393-4f9v	393-2f9v	393-3f9v	393-11f9v	393-10f9v
55 x 55 (41 x 41)	16	2	362f4v	382-12f4v	382-4f4v	382-2f4v	382-3f4v	382-11f4v	382-10f4v
	16	3	363f4v	383-12f4v	383-4f4v	383-2f4v	383-3f4v	383-11f4v	383-10f4v
	32	2	372f4v	392-12f4v	392-4f4v	392-2f4v	392-3f4v	392-11f4v	392-10f4v
	32	3	373f4v	393-12f4v	393-4f4v	393-2f4v	393-3f4v	393-11f4v	393-10f4v
55 x 55 (45 x 45)	16	2	362f5v	382-12f5v	382-4f5v	382-2f5v	382-3f5v	382-11f5v	382-10f5v
	16	3	363f5v	383-12f5v	383-4f5v	383-2f5v	383-3f5v	383-11f5v	383-10f5v
	32	2	372f5v	392-12f5v	392-4f5v	392-2f5v	392-3f5v	392-11f5v	392-10f5v
	32	3	373f5v	393-12f5v	393-4f5v	393-2f5v	393-3f5v	393-11f5v	393-10f5v
60 x 70 (47 x 53)	16	2	362f8v	382-12f8v	382-4f8v	382-2f8v	382-3f8v	382-11f8v	382-10f8v
	16	3	363f8v	383-12f8v	383-4f8v	383-2f8v	383-3f8v	383-11f8v	383-10f8v
	32	2	372f8v	392-12f8v	392-4f8v	392-2f8v	392-3f8v	392-11f8v	392-10f8v
	32	3	373f8v	393-12f8v	393-4f8v	393-2f8v	393-3f8v	393-11f8v	393-10f8v
70 x 70 (56 x 56)	16	2	362v	382-12v	382-4v	382-2v	382-3v	382-11v	382-10v
	16	3	363v	383-12v	383-4v	383-2v	383-3v	383-11v	383-10v
	32	2	372v	392-12v	392-4v	392-2v	392-3v	392-11v	392-10v
	32	3	373v	393-12v	393-4v	393-2v	393-3v	393-11v	393-10v
75 x 85 (60 x 60)	16	2	362f87v	382-12f87v	382-4f87v	382-2f87v	382-3f87v	382-11f87v	382-10f87v
	16	3	363f87v	383-12f87v	383-4f87v	383-2f87v	383-3f87v	383-11f87v	383-10f87v
	32	2	372f87v	392-12f87v	392-4f87v	392-2f87v	392-3f87v	392-11f87v	392-10f87v
	32	3	373f87v	393-12f87v	393-4f87v	393-2f87v	393-3f87v	393-11f87v	393-10f87v



373f87v



392-3f87v



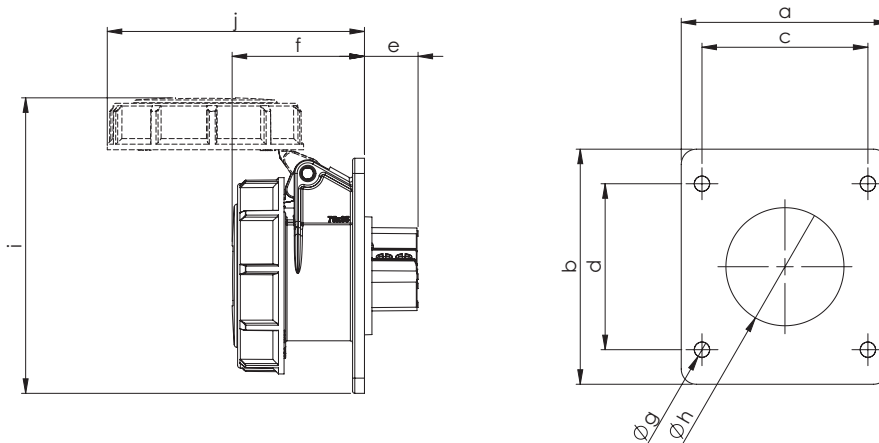
Extra-low voltage – plugs and sockets

Flanged socket straight IP66/67

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- closing lid
- large connection area

IP66/67

watertight



Flange		Fixing center		Amp	Poles	e	f	Ø g	Ø h	i	j	Weight [g]
a	b	c	d									
54	60	44	44	16	2	19	48	5,5	43	95	93	131
				3	3							151
				32	2							131
				3	3							151
75	85	60	60	16	2	19	48	5,5	43	107	93	145
				3	3							165
				32	2							145
				3	3							165

- Connection type: Screw terminal
- Wire flexible: 1-10 mm²
- Wire solid: 1,5-10 mm²
- Contact screws: 110 Ncm

Flange (Fixing center)	Amp.	Poles	24V~ 50/60Hz without Minor key	42V~ 50/60Hz 12h	24/42V~ 100-200Hz 4h	24/42V~ 300Hz 2h	24/42V~ 400Hz 3h	24/42V~ 401-500Hz 11h	24/42V= DC 10h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.

PCE

54 x 60 (44 x 44)	16	2	3622f9v	3822-12f9v	3822-4f9v	3822-2f9v	3822-3f9v	3822-11f9v	3822-10f9v
	16	3	3632f9v	3832-12f9v	3832-4f9v	3832-2f9v	3832-3f9v	3832-11f9v	3832-10f9v
	32	2	3722f9v	3922-12f9v	3922-4f9v	3922-2f9v	3922-3f9v	3922-11f9v	3922-10f9v
	32	3	3732f9v	3932-12f9v	3932-4f9v	3932-2f9v	3932-3f9v	3932-11f9v	3932-10f9v
75 x 85 (60 x 60)	16	2	3622f87v	3822-12f87v	3822-4f87v	3822-2f87v	3822-3f87v	3822-11f87v	3822-10f87v
	16	3	3632f87v	3832-12f87v	3832-4f87v	3832-2f87v	3832-3f87v	3832-11f87v	3832-10f87v
	32	2	3722f87v	3922-12f87v	3922-4f87v	3922-2f87v	3922-3f87v	3922-11f87v	3922-10f87v
	32	3	3732f87v	3932-12f87v	3932-4f87v	3932-2f87v	3932-3f87v	3932-11f87v	3932-10f87v

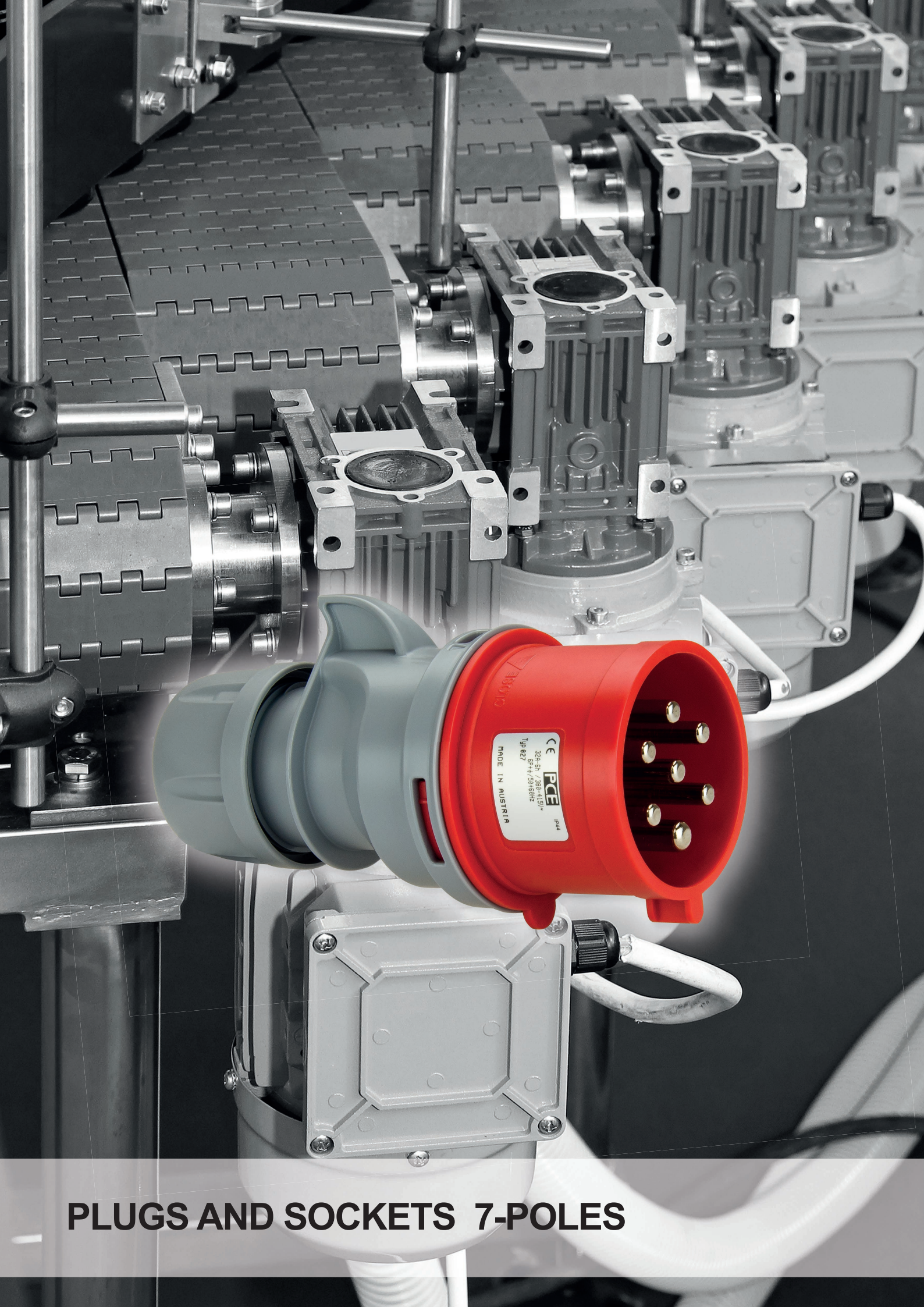


3922-4f9v



3722f87v





PLUGS AND SOCKETS 7-POLES

Plugs and sockets 7-poles

7-pole (6P+E) industrial plugs and sockets cover a wide range of application.

- **7-pole (6P+E)**
- **16A or 32A**
- **IP rating IP44/54 or IP66/67**
- **Contacts: nickel-plated**
- **Screw terminals**
- **External central cable gland**

Application for industry, agriculture and commerce:

- Star delta connections (motor)
- Tapped winding connections (pole changing)
- Actuation
- Monitoring
- Controlling
- Indicating
- Electrical interlocks, and many more ...

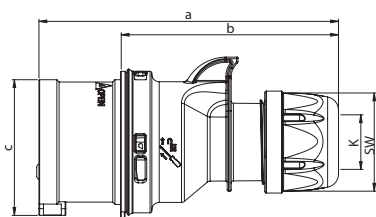
Products: plugs and sockets 7-pole:

- Plugs and angled plugs
- Flanged and wall mounted plugs
- Connectors and angled connectors
- Flanged and wall mounted sockets

The possibility of producing inductive resp. pre-mating contacts by shortend pins, enlarges the range of application.



Plugs and sockets 7-poles

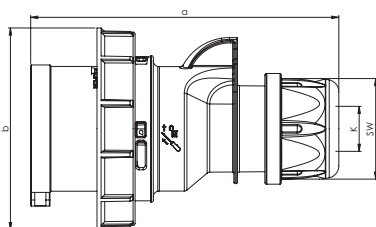


Shark Plug IP44/54

	16 Amp	32 Amp
Poles	7	7
a	134	155
b	98	109
c	61	70
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	185	283

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

IP44/54 dust- and splashproof

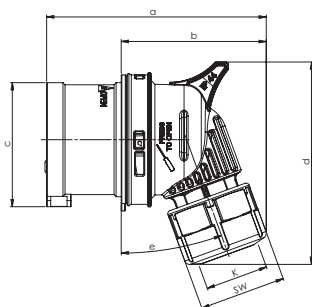


Shark Plug IP66/67

	16 Amp	32 Amp
Poles	7	7
a	134	155
b	87	100
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	217	329

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

IP66/67 watertight

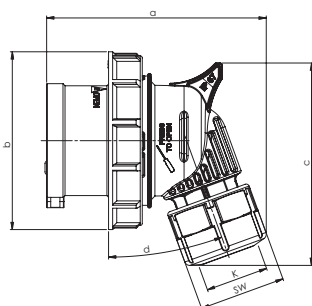


Twist Angled plug IP44/54

	16 Amp	32 Amp
Poles	7	7
a	108	135
b	71	90
c	61	70
d	99	114
e [°]	20	25
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	189	286

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated

IP44/54 dust- and splashproof



Twist Angled plug IP66/67

	16 Amp	32 Amp
Poles	7	7
a	108	135
b	87	100
c	99	114
d [°]	20	25
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	220	331

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 9h	400V~ 50/60Hz 6h	500V~ 50/60Hz 7h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	7	10	017-4v	017-9v	017-6v	017-7v
32	7	10	027-4v	027-9v	027-6v	027-7v



027-6v

16	7	10	0172-4v	0172-9v	0172-6v	0172-7v
32	7	10	0272-4v	0272-9v	0272-6v	0272-7v



0272-6v

16	7	10	8017-4v	8017-9v	8017-6v	8017-7v
32	7	10	8027-4v	8027-9v	8027-6v	8027-7v



8027-6v

16	7	10	80172-4v	80172-9v	80172-6v	80172-7v
32	7	10	80272-4v	80272-9v	80272-6v	80272-7v

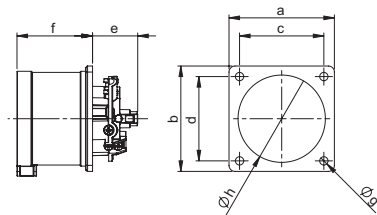


80272-6v



Plugs and sockets 7-poles

Flanged plug straight IP44/54

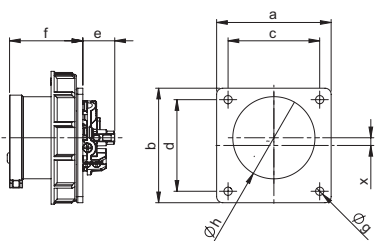


	16 Amp		32 Amp	
Poles	7	7	7	7
a	70	75	70	75
b	70	75	70	75
c	56	60	56	60
d	56	60	56	60
e	28	28	30	30
f	42	42	51	51
Ø g	5,5	5,5	5,5	5,5
Ø h	55	55	55	55
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	147	152	216	221

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- According to EN 60309:
For correct use a locking device has to be provided (see page 32)

IP44/54 dust- and splashproof

Flanged plug straight IP66/67

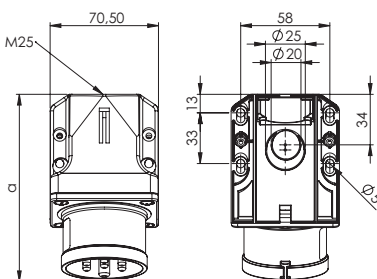


	16 Amp		32 Amp	
Poles	7	7	7	7
a	75	75	75	75
b	75	75	75	75
c	60	60	60	60
d	60	60	60	60
e	28	30	30	30
f	48	58	58	58
Ø g	5,5	5,5	5,5	5,5
Ø h	55	55	55	55
x	5,05	0	0	0
Connection type:	Schraubklemmen			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	180		265	

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- According to EN 60309:
For correct use a locking device has to be provided (see page 32)
- for 16A 7p the plug is placed off centered for keeping the standards

IP66/67 watertight

Wall mounted plug IP44/54

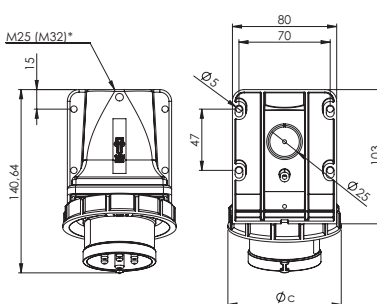


	16 Amp		32 Amp	
Poles	7	7	7	7
a	122	132	132	132
b	79	85	85	85
M	25	25	25	25
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	235		304	

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded cable grommet
- 9517*, 9527* large housing for wiring through

IP44 splashproof

Wall mounted plug IP66/67



	16 Amp		32 Amp	
Poles	7	7	7	7
a	140	152	152	152
b	100	102	102	102
c	87	100	100	100
M*	25	25	25	25
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	271		356	

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded bung

IP66/67 watertight

*M32 optional on request

110V~

 50/60Hz
4h

230V~

 50/60Hz
9h

400V~

 50/60Hz
6h

500V~

 50/60Hz
7h

Amp.

Poles

 pack.
unit

Cat.No.

Cat.No.

Cat.No.

Cat.No.

Flange 70 x 70 - Fixing center: 56 x 56

16	7	10	617-4v	617-9v	617-6v	617-7v
----	---	----	--------	--------	---------------	--------

32	7	10	627-4v	627-9v	627-6v	627-7v
----	---	----	--------	--------	---------------	--------

Flange 75 x 75 - Fixing center: 60 x 60

16	7	10	617-4f7v	617-9f7v	617-6f7v	617-7f7v
----	---	----	----------	----------	-----------------	----------

32	7	10	627-4f7v	627-9f7v	627-6f7v	627-7f7v
----	---	----	----------	----------	-----------------	----------



627-6v


Flange 75 x 75 - Fixing center: 60 x 60

16	7	10	6172-4v	6172-9v	6172-6v	6172-7v
----	---	----	---------	---------	----------------	---------

32	7	10	6272-4v	6272-9v	6272-6v	6272-7v
----	---	----	---------	---------	----------------	---------



6272-6v

16	7	10	517-4v	517-9v	517-6v	517-7v
----	---	----	--------	--------	---------------	--------

32	7	10	527-4v	527-9v	527-6v	527-7v
----	---	----	--------	--------	---------------	--------

for wiring through (M25 top, 2xM25 bottom)

16	7	5	9517-4v	9517-9v	9517-6v	9517-7v
----	---	---	---------	---------	----------------	---------

32	7	5	9527-4v	9527-9v	9527-6v	9527-7v
----	---	---	---------	---------	----------------	---------



527-6v

9527-6v

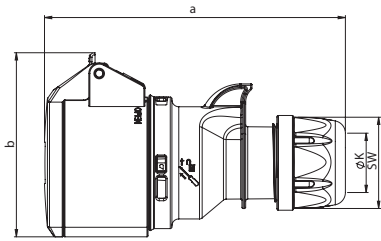
16	7	5	5172-4kv	5172-9kv	5172-6kv	5172-7kv
----	---	---	----------	----------	-----------------	----------

32	7	5	5272-4kv	5272-9kv	5272-6kv	5272-7kv
----	---	---	----------	----------	-----------------	----------



5272-6kv

Plugs and sockets 7-poles

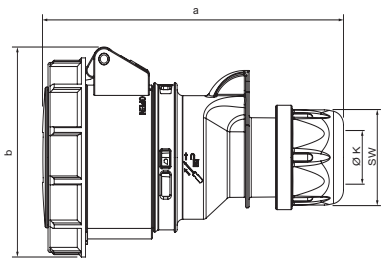


Shark Connector IP44/54

	16 Amp	32 Amp
Poles	7	7
a	145	168
b	89	99
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	210	310

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

IP44/54 dust- and splashproof

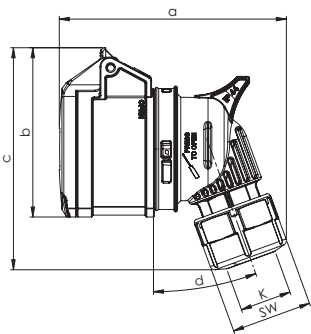


Shark Connector IP66/67

	16 Amp	32 Amp
Poles	7	7
a	147	171
b	92	102
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	254	377

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

IP66/67 watertight

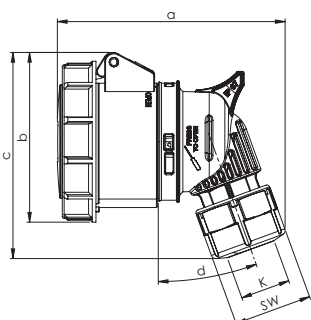


Twist Angled connector IP44/54

	16 Amp	32 Amp
Poles	7	7
a	119	147
b	89	99
c	117	126
d [°]	20	25
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	214	313

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated

IP44/54 dust- and splashproof



Twist Angled connector IP66/67

	16 Amp	32 Amp
Poles	7	7
a	124	152
b	92	102
c	112	122
d [°]	20	25
K_cable Ø [mm]	8-16	11,5-22
Connection type:	Screw terminal	
Wire flexible [mm²]	1-2,5	2,5-6
Contact screws [Ncm]	100 Ncm	110 Ncm
SW	42	50
Weight [g]	258	379

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated

IP66/67 watertight

Amp.	Poles	pack. unit	110V~ 50/60Hz 4h	230V~ 50/60Hz 9h	400V~ 50/60Hz 6h	500V~ 50/60Hz 7h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	7	10	217-4v	217-9v	217-6v	217-7v
32	7	10	227-4v	227-9v	227-6v	227-7v



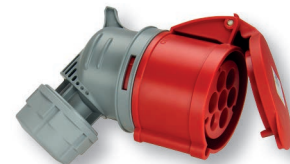
227-6v

16	7	10	2172-4v	2172-9v	2172-6v	2172-7v
32	7	10	2272-4v	2272-9v	2272-6v	2272-7v



2272-6v

16	7	10	8217-4v	8217-9v	8217-6v	8217-7v
32	7	10	8227-4v	8227-9v	8227-6v	8227-7v



8227-6v

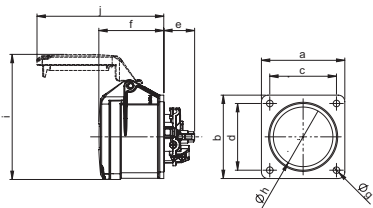
16	7	10	82172-4v	82172-9v	82172-6v	82172-7v
32	7	10	82272-4v	82272-9v	82272-6v	82272-7v



82272-6v



Plugs and sockets 7-poles

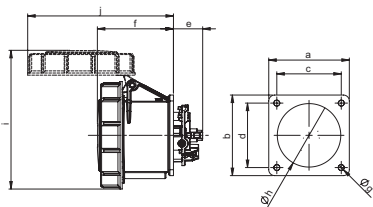


Flanged socket straight IP44/54

	16 Amp		32 Amp	
Poles	7	7	7	7
a	70	75	70	75
b	70	75	70	75
c	56	60	56	60
d	56	60	56	60
e	26	26	28	23
f	55	55	67	67
Ø g	5,5	5,5	5,5	5,5
Ø h	52	52	58	58
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	174	179	243	253

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

IP44/54 dust- and splashproof

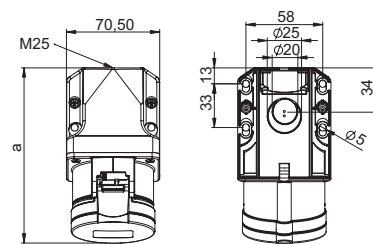


Flanged socket straight IP66/67

	16 Amp		32 Amp	
Poles	7	7	7	7
a	70	75	70	75
b	70	75	70	75
c	56	60	56	60
d	56	60	56	60
e	26	26	28	28
f	59	59	71	71
Ø g	5,5	5,5	5,5	5,5
Ø h	55	55	60	60
i	117	117	130	130
j	115	115	136	136
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	207	211	292	299

- with screw terminals
- housing material: PA6
- contacts: nickel-plated

IP66/67 watertight



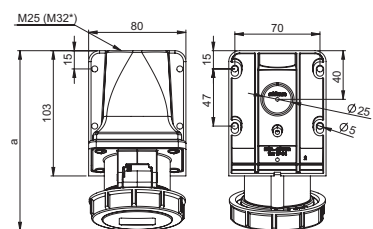
Wall mounted socket IP44/54

	16 Amp		32 Amp	
Poles	7	7	7	7
a	133	145	145	145
b	100	107	107	107
M	25	25	25	25
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	261	330	330	330

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded cable grommet

• 917*, 927* large housing for wiring through

IP44 splashproof



Wall mounted socket IP66/67

	16 Amp		32 Amp	
Poles	7	7	7	7
a	148	163	163	163
b	102	112	112	112
M	25	25	25	25
Connection type:	Screw terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	302	390	390	390

- with screw terminals
- housing material: PA6
- contacts: nickel-plated
- top and rear entry
- incl. threaded bung

IP66/67 watertight

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~
			50/60Hz 4h	50/60Hz 9h	50/60Hz 6h	50/60Hz 7h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.

with flange 70 x 70 - fixing center 56 x 56						
16	7	10	317-4v	317-9v	317-6v	317-7v
32	7	10	327-4v	327-9v	327-6v	327-7v
with flange 75 x 75 - fixing center 60 x 60						
16	7	10	317-4f7v	317-9f7v	317-6f7v	317-7f7v
32	7	10	327-4f7v	327-9f7v	327-6f7v	327-7f7v



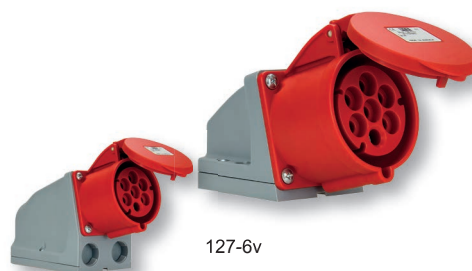
327-6v

with flange 70 x 70 - fixing center 56 x 56						
16	7	10	3172-4f70v	3172-9f70v	3172-6f70v	3172-7f70v
32	7	10	3272-4f70v	3272-9f70v	3272-6f70v	3272-7f70v
with flange 75 x 75 - fixing center 60 x 60						
16	7	10	3172-4v	3172-9v	3172-6v	3172-7v
32	7	10	3272-4v	3272-9v	3272-6v	3272-7v



3272-6v

16	7	10	117-4v	117-9v	117-6v	117-7v
32	7	10	127-4v	127-9v	127-6v	127-7v
for wiring through (M25 top, 2xM25 bottom)						
16	7	5	917-4v	917-9v	917-6v	917-7v
32	7	5	927-4v	927-9v	927-6v	927-7v



927-6v

16	7	5	1172-4v	1172-9v	1172-6v	1172-7v
32	7	5	1272-4v	1272-9v	1272-6v	1272-7v



1272-6v





CONTAINER PLUGS AND SOCKETS

Container plugs and sockets

PCE container plugs and sockets are specially designed for the rough condition on reefer-containers, at harbors and terminals.

- 32A, 4-pole, 3h, 440V
- IP rating IP67
- nickel-plated contacts
- robust design
- external, centric cable gland
- with Lloyd's Register Type Approval*

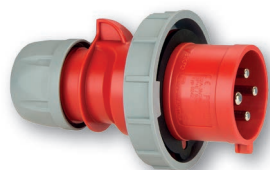


Container products:

- plug* and connector
- wall socket
- flanged socket straight/sloping
- switched interlocked socket*
- switched interlocked socket with fuse*
- special distribution boxes (on request)



Container plugs and sockets



Shark Container Plug

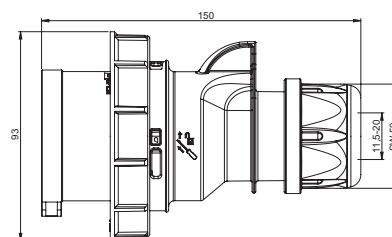
- 32A 4p 3h 440V
- nickel-plated contacts

IP67 watertight



0242-3v

pack.unit: 10



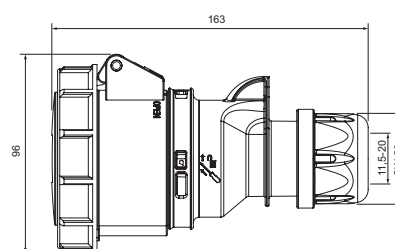
Shark Container Connector

- 32A 4p 3h 440V
- nickel-plated contacts

IP67 watertight

2242-3v

pack.unit: 10



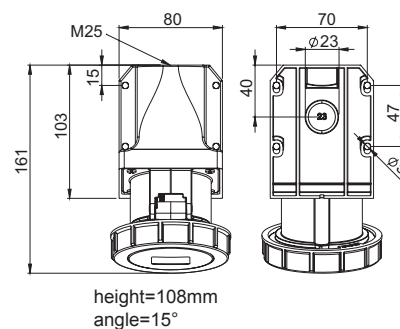
Container Wall socket

- 32A 4p 3h 440V
- nickel-plated contacts

IP67 watertight

1242-3v

pack.unit: 5



height=108mm
angle=15°



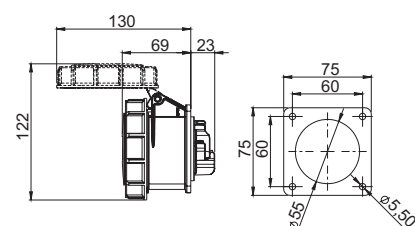
Container Flanged socket straight

- 32A 4p 3h 440V
- nickel-plated contacts
- flange = 75 x 75
- fixing center = 60 x 60

IP67 watertight

3242-3v

pack.unit: 10



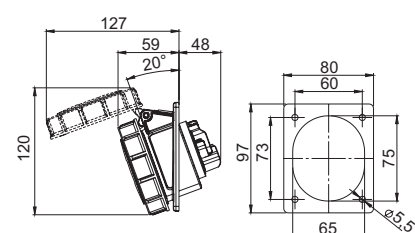
Container Flanged socket sloping

- 32A 4p 3h 440V
- flange = 80 x 97 mm
- fixing center = 60 x 73 mm

IP67 watertight

4242-3f78v

pack.unit: 10



Container Switched interlocked socket

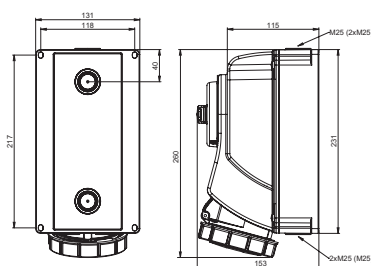
- 32A 4p 3h 440V
- nickel-plated contacts
- up to 3 x M25 cable entries
- mechanical interlock
- lockable by padlock

IP67 watertight



75242-3

pack.unit: 1



Container Switched interlocked socket with fuse

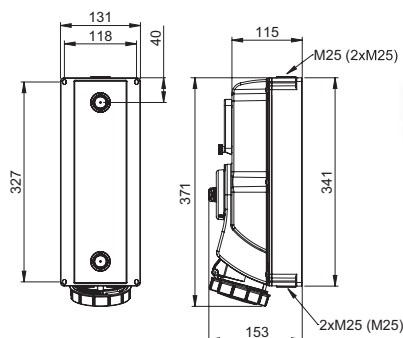
- 32A 4p 3h 440V
- nickel-plated contacts
- cylindrical fuse 14x51
- up to 3 x M25 cable entries
- mechanical interlock
- lockable by padlock

IP67 watertight



78242-3

pack.unit: 1



Container Switched interlocked socket with DIN rail

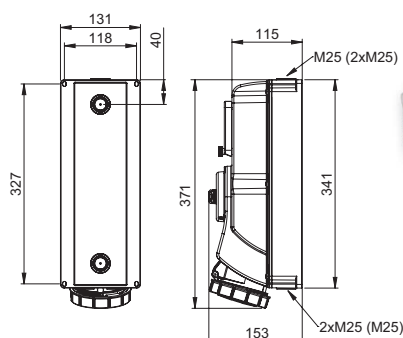
- 32A 4p 3h 440V
- nickel-plated contacts
- DIN rail with window for 5 modules
- up to 3 x M25 cable entries
- mechanical interlock
- lockable by padlock

IP67 watertight



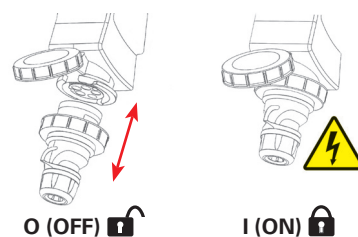
76242-3

pack.unit: 1



- compact design for wall mounting
- nickel-plated contacts
- Series 76/78... with window for 5 units, cap dimensions: 45mm
- mechanical interlock:
 - after plugging and switching-on **plug is locked**
 - after switching-off and unplugging **switch is locked**
- all components are mounted on bottom
- **large connecting area - easy of installation**
- possibility for wiring through
- ready wired for connection
- at switch-off position: lockable by padlock (40 mm)

Detailed information see page 102 ... „Switched interlocked sockets“.





CARAVAN PLUGS AND SOCKETS

Caravan plugs and sockets

PCE caravan devices are perfectly designed for the use on camp sites, caravan and marinas.

- 16A, 3-pole, 6h, 230V
- IP rating: IP44
- Contacts: brass or
nickel-plated
- Solid design
- Different versions available

Caravan products

- plug and connector
- flanged socket lockable
- wall mounted plug
- angled plug, angled connector
- adapters
- distribution products
- energy pillars (see page 280)



Caravan plugs and sockets for camping areas



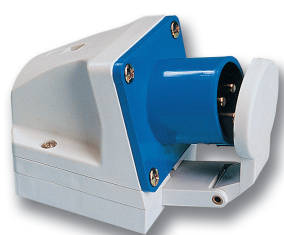
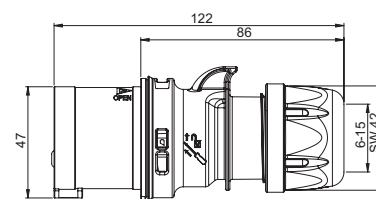
Shark Caravan Plug

- 16A 3p 230V
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 013-6v
- technical data see Plugs on page 20

IP44 splashproof

013-6

pack.unit: 10



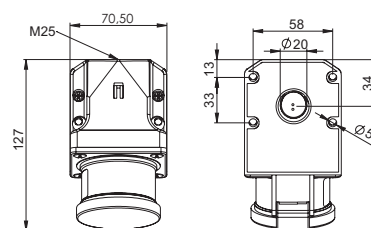
Caravan Wall mounted plug

- 16A 3p 230V
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 513-6dv
- with hinged lid
- technical data see wall mounted plugs page 26

IP44 splashproof

513-6d

pack.unit: 10



height= 92mm
angle= 15°



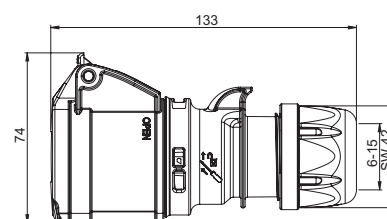
Shark Caravan Connector

- 16A 3p 230V
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 213-6v
- technical data see connectors on page 52

IP44 splashproof

213-6

pack.unit: 10



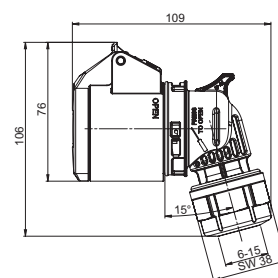
Caravan Angled connector

- 16A 3p 230V
- contacts: brass

IP44 splashproof

8213-6

pack.unit: 10



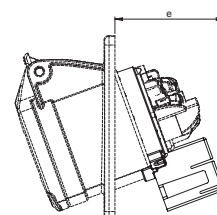
Flanged socket sloping with auxiliary switch

- with auxiliary switch
- flanged socket sloping with screw terminals
- housing materials: PA6
- flange 70 x 85 - fixing center 50 x 56 mm
- contacts: brass
 - to order nickel-plated contacts please add a „v“ e.g.: 413-6hv

IP44/54 splash- and dustproof

413-6h

pack.unit: 10

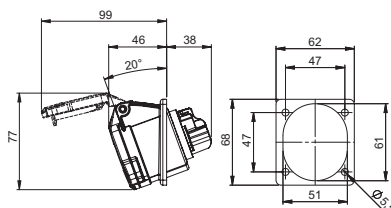


other versions and more technical information see page 90

Flanged socket sloping lockable

- 16A 3p 230V
- Flange 62 x 68 - fixing center 47 x 47 mm
- lockable with padlock

IP44 splashproof



413-6f66

pack.unit: 10



Caravan Adapter

- with safety socket acc. Aust./German system
- also available with Belg./French and British socket outlet
- nickel-plated contacts

IP44 splashproof

Entry:
CEE-plug 16A 3p 230V

Outlet:
1 safety socket 16A 2p+E 250V

9433100*

pack.unit: 10



Caravan Adapter

- plug for domestic use with two earthing systems / CEE-socket outlet
- nickel-plated contacts

IP20

Entry:
1 plug (two earthing system) 2p+E 250V

Outlet:
1 CEE-socket 16A 3p 230V

9434100*

pack.unit: 10



Caravan Adapter with cable

- 16A 3p 230V

IP44 splashproof

80cm cable H07RN-F 3G1,5 with CEE-plug 16A 3p 230V and solid rubber connector with lid acc. to Austr./German system 16A 2p+E 250V

9007

pack.unit: 10

80cm cable H07RN-F 3G1,5 with CEE-plug 16A 3p 230V and rubber connector with lid acc. to French/Belg. system 16A 2p+E 250V

900726

pack.unit: 10

80cm cable H07RN-F 3G1,5 with solid rubber safety plug (two earthing system) 16A 2p+E 250V and CEE-connector 16A 3p 230V

9009

pack.unit: 10



Caravan Combination Series St. Anton

IP44 splashproof

Entry:
1,5m cable H07RN-F 3G1,5 with CEE-plug 16A 3p 230V

Outlet:
1 safety socket acc. Aust./German system 16A 2p+E 250V

Protection:
1 RCD 25A 0,03A

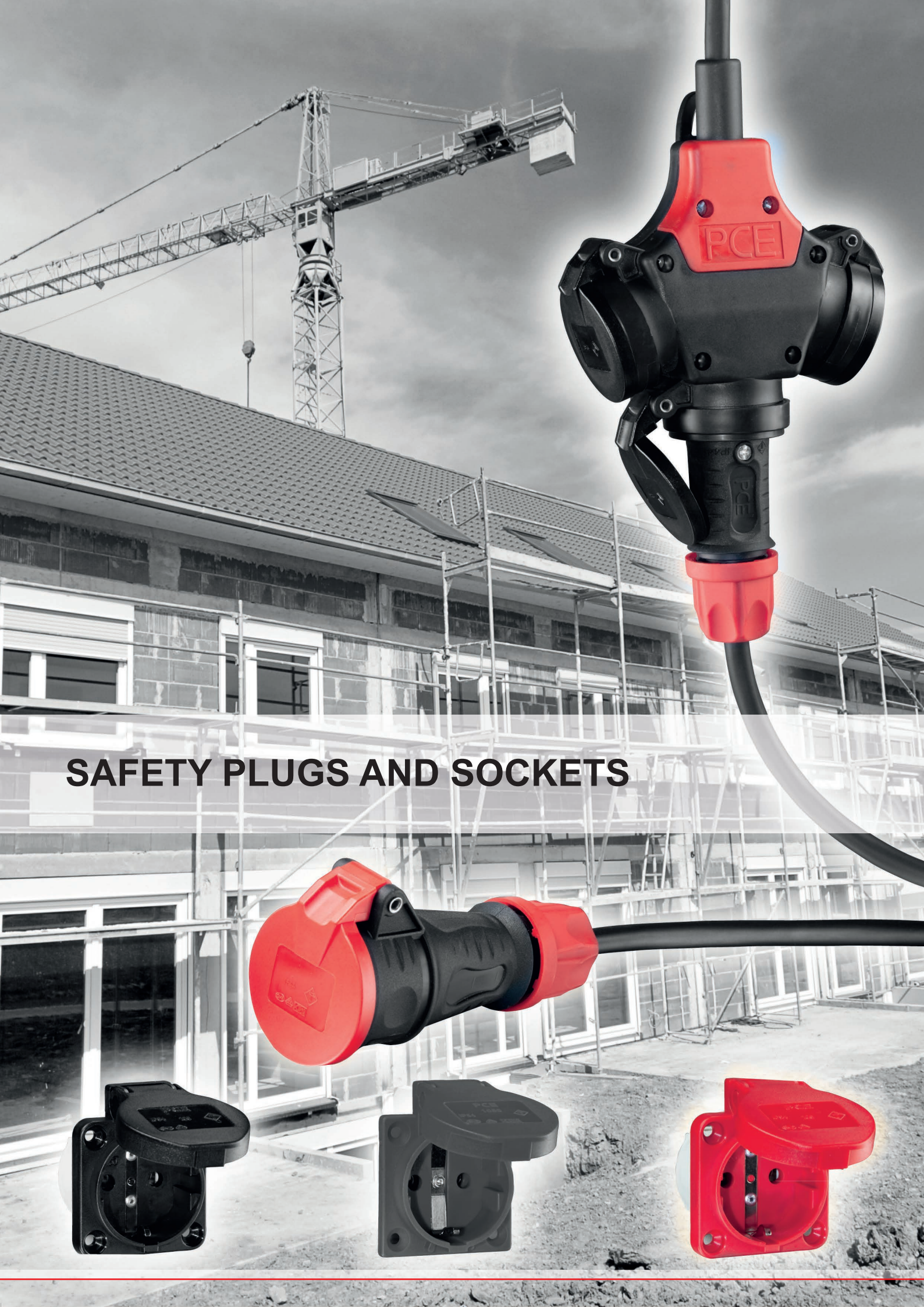
9437125

pack.unit: 1



* Export version (in Austria and Germany not allowed)





SAFETY PLUGS AND SOCKETS

Safety plugs and sockets



Plugs and socket outlets

P-Nova / P-Nova plus

Page

152



Plugs and sockets IP66/68

Nautilus - watertight

166



Taurus

Plug and connector systems

172



Top Taurus

Plug and connector systems

180



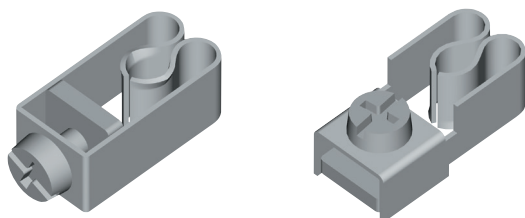
The socket outlet with earthing contact

The „P-Nova“ socket outlet with earthing contact is characterized in particular by its:

- robust construction based on high-grade polyamide, 
- screwless connection technology or screw contact system (connection from the rear or the side)
- various flange sizes
- four-point mounting
- special sealing contour for IP54 on the backside

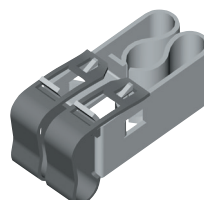


Screw contact system



Connection from the rear Connection from the side

Screwless connection technology



With spring-clamp (screwless)
Connection from the rear

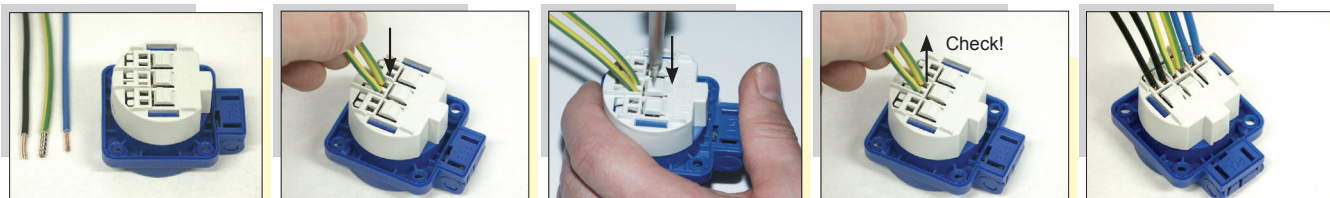
Technical data

-  IP54
- flange dimensions: 50x50 as standard, 70x70 as well as 75x75
- hinged lid with wide opening angle
- high closing pressure on hinged lid
- finger protection VBG4

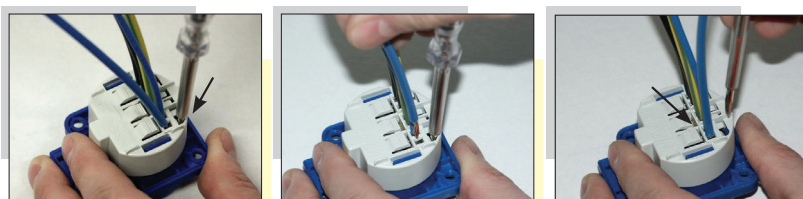
Spring-clamp connection technology

- spring-clamp with connection from the rear
- pre-tensioned release mechanism - no tool needed for initial connection
- connection without an end sleeve possible
- double connection through independent spring-clamps for wiring through

Connection



Re-connection



P-Nova plus

– Product features

- + **minimized contact carrier**
for mounting in narrow surroundings (cable reels)
- + **optimum screw contacts**
- + **open contact screws**
- + **hinged lid with wide opening angle, high closing pressure**
- + **flange size 50x50mm**
(thinner flange, no separate gasket necessary)
- + **fixing center 38x38mm (fourpoint-mounting with countersunk screw)**
- + **IP54 splashproof** 
- + **high stability by single-part housing**
also in case of child protection (shutter)!
- + **robust construction based on highgrade polyamide 6**
- + **optional: approved child protection for all types**
- + **Austrian/German versions according to DIN VDE 0620-1st of February 2010**
- + **Minimum quantity for ordering special versions: 1.000 pieces**

Child protection (shutter)

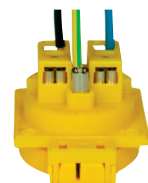


Belgian/French standard

Earth pin with single part terminal (also available in version with child protection (shutter))



Screw contact systems

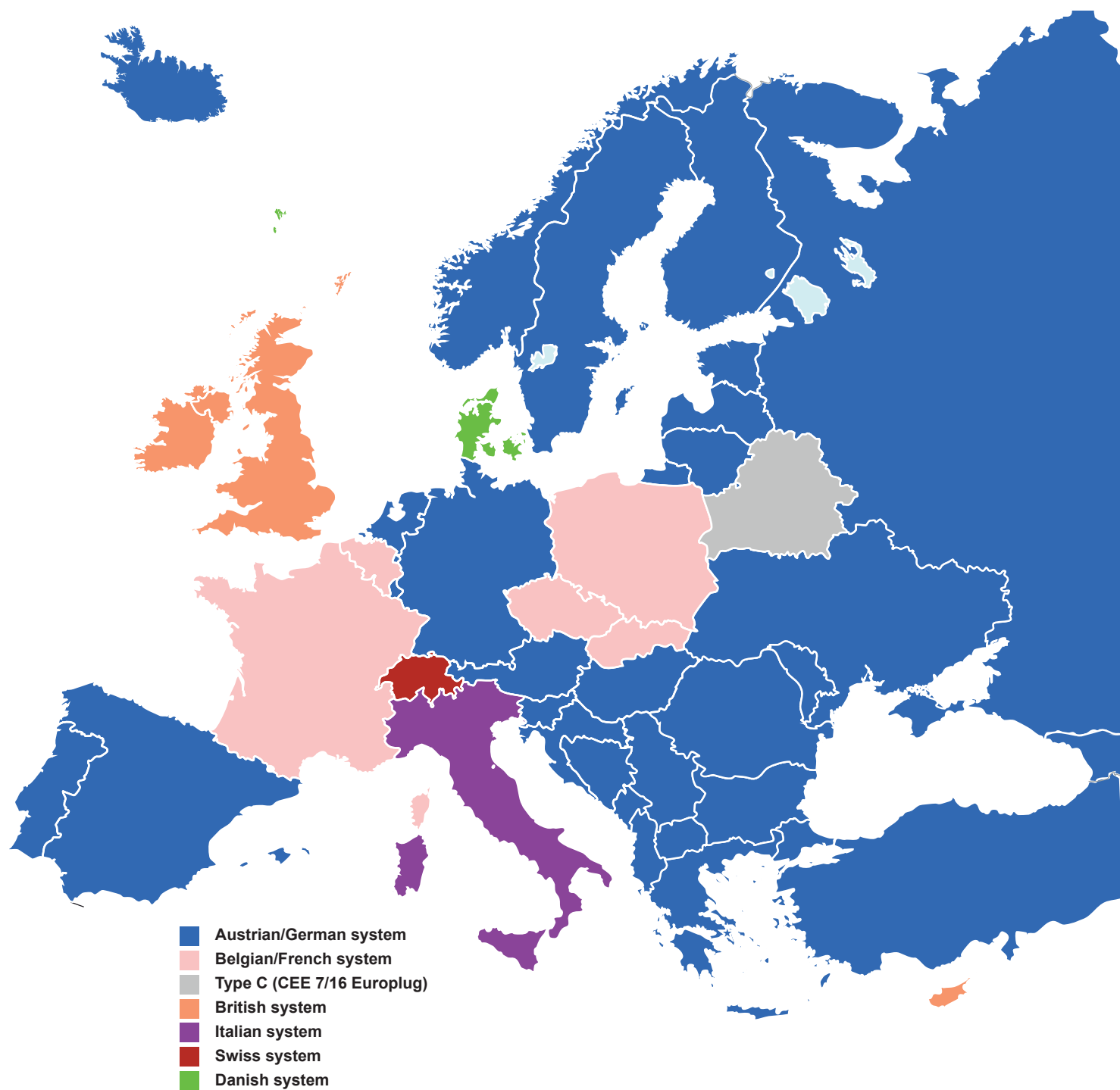


Connection from the side

Connection from the rear



Safety plug and socket system in EUROPE



Order information:

Safety sockets are available in grey, red, yellow, black and white (blau = standard)

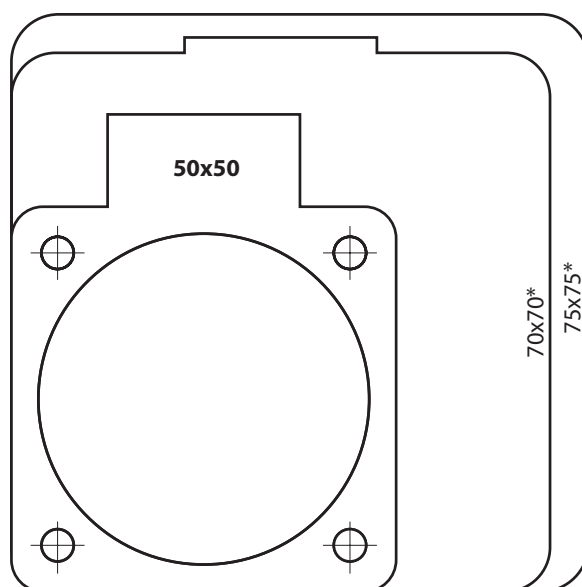
P-Nova: Special versions are available on request, e.g.: with side connection and child protection (shutter)

Minimum quantity for ordering special versions: 1.000 pieces



Socket outlets

Dimensions:



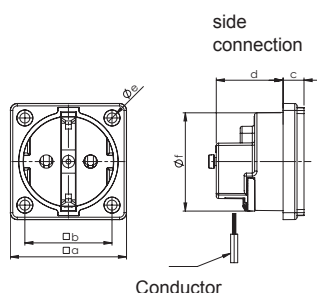
* only P-NOVA

Versions: (Flange: 50 x 50)

	Screw terminals	Screwless connection	Side connection	Rear connection	Child protection (shutter)	Sealing bulge**				
							   			
							Austrian/German system		Belgian/French system	
•		•					1050-0bs	105-0bs	1040-0bs	104-0bs
•		•			•		1050-0bsc	105-0bsc	1040-0bsc	104-0bsc
•				•			1050-0b	105-0b	1040-0b	104-0b
•				•	•		1050-0bc	105-0bc	1040-0bc	104-0bc
•				•		•	1050-0bw	105-0bw		
	•			•				109-0b		108-0b
	•			•	•			109-0bc		108-0bc
	•			•		•		109-0bw		

** Plugs and socket outlets (DIN 49440) for portable use subject to the standard DIN VDE 0620-1:2010 and ÖVE/ÖNORM E 8684-2-2:2010



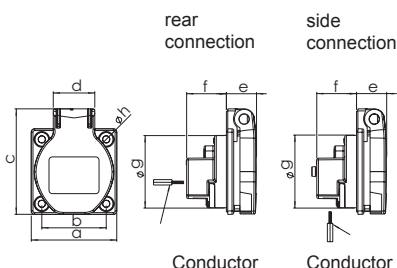


Socket outlet Austrian/German system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	37,5
c	9
d	29
e	4,3
f	43
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	34

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP20

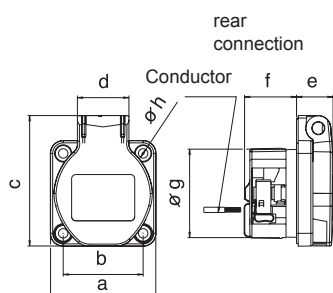


Socket outlet Austrian/German system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	18
f	24
g	43
h	4,2
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	45

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof

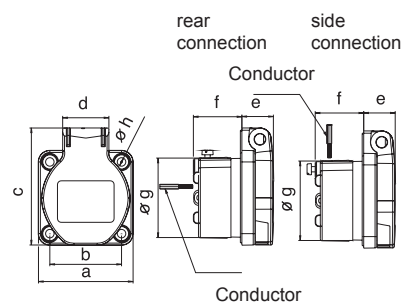


Socket outlet Austrian/German system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	17
f	26
g	43
h	4,2
Connection type:	Screwless
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Weight [g]	43

- screwless connection technology
- housing material: PA6
- contacts: nickel-plated contacts
- rear connection

IP54 splashproof



Socket outlet Austrian/German system

	• STANDARD •	• SPECIAL •	
	16 Amp	16 Amp	
Poles	2P + E	2P + E	2P + E
a	50	70	75
b	38	56	60
c	62	72	75
d	25	25	25
e	17	17	17
f	26	26	26
g	43	43	43
h	4,2	5,5	5,5
Connection type:	Screwed contact		
Wire flexible [mm²]	1 - 2x2,5		
solid [mm²]	1 - 2x2,5		
Contact screws [Ncm]	80		
Weight [g]	45	50	51

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof





STANDARD

SPECIAL

SPECIAL

250V~

50/60Hz
Flange
50x50

250V~

50/60Hz
Flange
70x70

250V~

50/60Hz
Flange
75x75

PCE

Amp.	Poles	pack. unit	Abbreviations/Types
------	-------	------------	---------------------

Cat.No.

Cat.No.

Cat.No.

16	3	100	
----	---	-----	---



„SC“ side connection, with child protection (shutter)

10584-0wsc



10584-0wsc

16	3	100	
16	3	100	rear connection (standard)
16	3	100	„S“ side connection
16	3	100	„C“ rear connection, with child protection (shutter)
16	3	100	„SC“ side connection, with child protection (shutter)



rear connection (standard)

1050-0b

„S“ side connection

1050-0bs

„C“ rear connection, with child protection (shutter)

1050-0bc

„SC“ side connection, with child protection (shutter)

1050-0bsc



1050-0b

16	3	100	
16	3	100	rear connection (standard)
16	3	100	„C“ rear connection, with child protection (shutter)



rear connection (standard)

109-0b

„C“ rear connection, with child protection (shutter)

109-0bc



109-0b

16	3	100	
16	3	100	rear connection (standard)
16	3	100	„S“ side connection
16	3	100	„C“ rear connection, with child protection (shutter)
16	3	100	„SC“ side connection, with child protection (shutter)



rear connection (standard)

105-0b

„S“ side connection

105-0bs

„C“ rear connection, with child protection (shutter)

105-0bc

„SC“ side connection, with child protection (shutter)

105-0bsc

105-7b

105-7bs

105-7bc

105-7bsc

105-8b

105-8bs

105-8bc

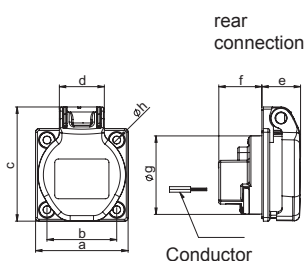
105-8bsc

105-0b
Flange = 50x50105-8b
Flange = 75x75

Special versions are available on request. For more information about our ordering system, please have a look on page 154.

Minimum order quantity for special versions: 1.000 pieces



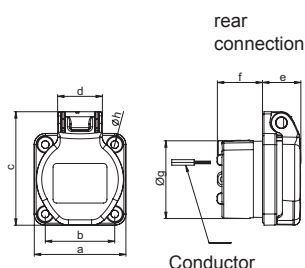


Socket outlet Austrian/German system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	22
f	24
g	43
h	4,2
Connection type:	Screwed contact
Wire flexible [mm ²]	1 - 2x2,5
solid [mm ²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	45

- with sealing bulge
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof

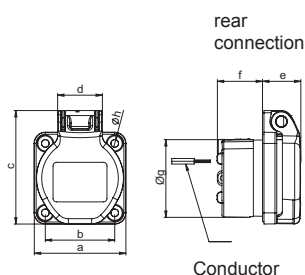


Socket outlet Austrian/German system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	21
f	26
g	43
h	4,2
Connection type:	Screwless
Wire flexible [mm ²]	1 - 2x2,5
solid [mm ²]	1 - 2x2,5
Weight [g]	44

- with sealing bulge
- screwless connection technology
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof



Socket outlet Austrian/German system

	• STANDARD •	• SPECIAL •	
	16 Amp	16 Amp	
Poles	2P + E	2P + E	2P + E
a	50	70	75
b	38	56	60
c	62	72	75
d	25	25	25
e	21	21	21
f	26	26	26
g	43	43	43
h	4,2	5,5	5,5
Connection type:	Screwed contact		
Wire flexible [mm ²]	1 - 2x2,5		
solid [mm ²]	1 - 2x2,5		
Weight [g]	46	51	52

- with sealing bulge
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof



- ■ Plugs and socket outlets for portable use are subject to the standard DIN VDE 0620-1:2010 and ÖVE/ÖNORM E 8684-2-2:2010 (Plugs and sockets for household and similar applications). Examples for portable use: mobile distribution boxes and cable reels.

Remark: Version for Germany and Austria

Amp.
Poles
pack.
unit

Abbreviations/Types

16 3 100



rear connection, with sealing bulge

1050-0bw



1050-0bw

16 3 100



rear connection, with sealing bulge

109-0bw



109-0bw

16 3 100



rear connection, with sealing bulge

105-0bw

105-7bw

105-8bw



105-0bw

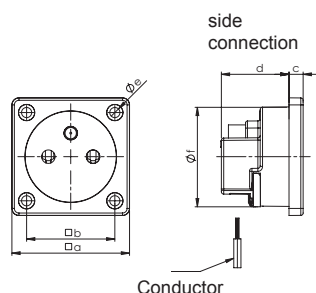
Explanation:

The prescribed standard of the sealing bulge is highlighted in red in the picture bellow.



only
IPX4



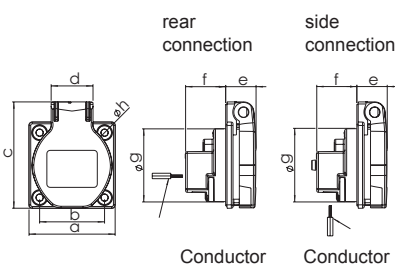


Socket outlet Belgian/French system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	37,5
c	6
d	29
e	4,3
f	43
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	34

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP20

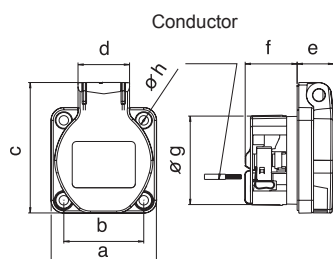


Socket outlet Belgian/French system

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	18
f	24
g	43
h	4,2
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	45

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof

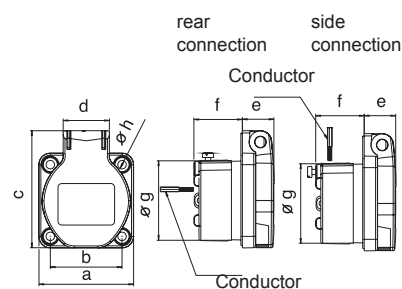


Socket outlet Belgian/French version

	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	17
f	26
g	43
h	4,2
Connection type:	Screwless
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Weight [g]	43

- screwless connection technology
- housing material: PA6
- contacts: nickel-plated contacts
- rear connection

IP54 splashproof



Socket outlet Belgian/French version

	•STANDARD•	• SPECIAL •	
	16 Amp	16 Amp	
Poles	2P + E	2P + E	2P + E
a	50	70	75
b	38	56	60
c	62	72	75
d	25	25	25
e	17	17	17
f	26	26	26
g	43	43	43
h	4,2	5,5	5,5
Connection type:	Screwed contact		
Wire flexible [mm²]	1 - 2x2,5		
solid [mm²]	1 - 2x2,5		
Contact screws [Ncm]	80		
Weight [g]	45	50	51

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof



250V~

50/60Hz
Flange
50x50

250V~

50/60Hz
Flange
70x70

250V~

50/60Hz
Flange
75x75

Amp.	Poles	pack. unit	Abbreviations/Types	Cat.No.	Cat.No.	Cat.No.
16	3	100	 „sc“ side connection, with child protection (shutter) color: white	10484-0wsc		
16	3	100	 rear connection (standard)	1040-0b		
16	3	100	„s“ side connection	1040-0bs		
16	3	100	„c“ with child protection (shutter)	 1040-0bc		
16	3	100	„sc“ side connection, with child protection (shutter)	 1040-0bsc		
16	3	100	 rear connection (standard)	108-0b		
16	3	100	„c“ with child protection (shutter)	 108-0bc		
16	3	100	 rear connection (standard)	104-0b	104-7b	104-8b
16	3	100	„s“ side connection	104-0bs	104-7bs	104-8bs
16	3	100	„c“ with child protection (shutter)	 104-0bc	104-7bc	104-8bc
16	3	100	„sc“ side connection, with child protection	 104-0bsc	104-7bsc	104-8bsc



10484-0wsc



1040-0b



108-0b

104-0b
Flange = 50x50

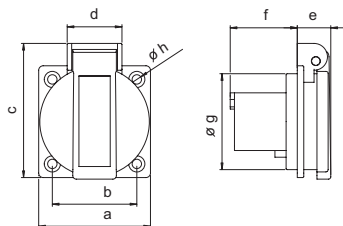
Special versions are available on request. For more information about our ordering system, please have a look on page 154.

Minimum quantity for ordering special versions: 1.000 pieces



Plugs and socket outlets

Flanged sockets conforming to Danish, English and Swiss system

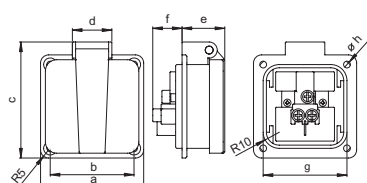


Socket outlet Danish system

	16 Amp
Poles	2P + E
a	50
b	38
c	60
d	24,5
e	15
f	30
g	43
h	4,2
Connection type:	Screwed contact
Weight [g]	42

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof

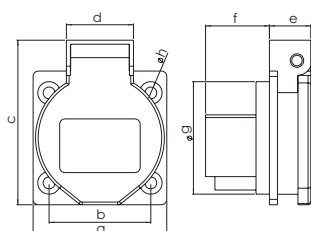


Socket outlet English version

	13 Amp	13 Amp
Poles	2P + E	2P + E
a	64	50
b	52	38
c	72	64
d	25	25
e	26,5	18
f	18	22
g	52	35
h	4,2	4,5
Connection type:	Screwed contact	
Weight [g]	67	50

- with screw terminals
- housing material: PA6

IP54 splashproof

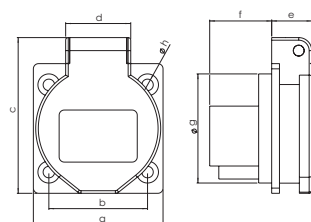


Socket outlet Swiss version T13

	10 Amp
Poles	2P + E
a	50
b	38
c	62
d	29
e	15
f	23
g	42
h	4,2
Connection type:	Screwed contact
Weight [g]	42

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof

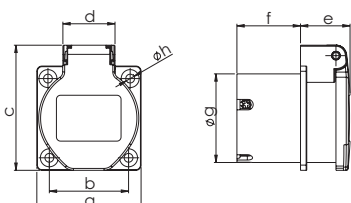


Socket outlet Swiss version T23

	16 Amp
Poles	2P + E
a	50
b	38
c	60
d	25
e	15
f	24
g	42
h	4,2
Connection type:	Screwed contact
Weight [g]	42

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof



Socket outlet Swiss version T25

	16 Amp
Poles	3L + N + PE
a	50
b	38
c	60
d	25
e	24
f	31
g	43
h	4,2
Connection type:	Screwed contact
Weight [g]	64

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- 250V/400V~ 16A

IP54 splashproof



250V~

50/60Hz

400V~

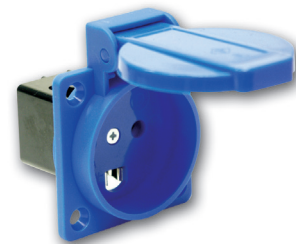
50/60Hz

PCE

Amp.	Poles	pack. unit	Abbreviations/Types
16	3	100	rear connection Flange: 50 x 50
16	3	100	rear connection Flange: 50 x 50

Cat.No.

Cat.No.

1030-0b
1030-0sblue
black

1030-0b

13	3	100	side connection Flange: 64 x 64
13	3	100	side connection Flange: 50 x 50

1020-0s
1020-5sblack
black

1020-5s

10	3	100	rear connection Flange: 50 x 50
10	3	100	rear connection Flange: 50 x 50

1013-0b
1013-0sblue
black

1013-0b

16	3	100	side connection Flange: 50 x 50
----	---	-----	---------------------------------

1023-0bs

blue

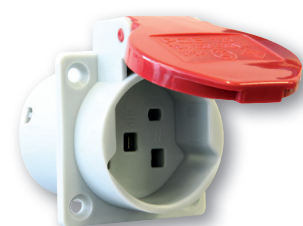


1023-0bs

16	5	100	rear connection Flange: 50 x 50
----	---	-----	---------------------------------

1025-0r

red

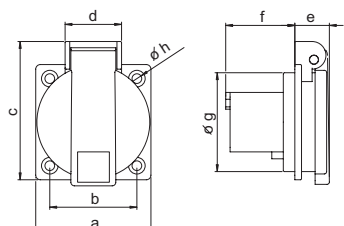


1025-0r



Plugs and socket outlets

Flanged sockets, data socket and accessories

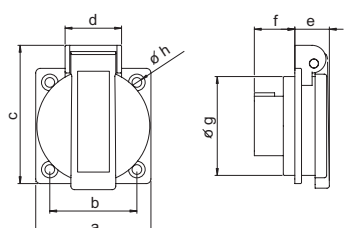


Socket outlet Italian system

	16 Amp
Poles	2P + E
a	50
b	38
c	60
d	24,5
e	15
f	30
g	43
h	4,2
Connection type:	Screwed contact
Weight [g]	42

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof

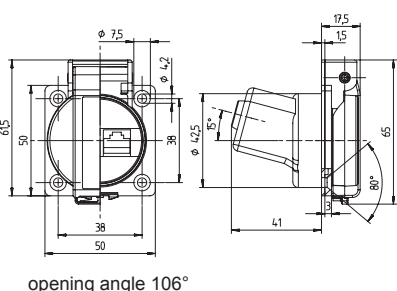


Socket outlet Australian system

	15 Amp
Poles	2P + E
a	50
b	38
c	62
d	24,5
e	17
f	15
g	42
h	4,2
Connection type:	Screwed contact
Weight [g]	45

- with screw terminals
- housing material: PA6
- contacts: brass
- with gasket

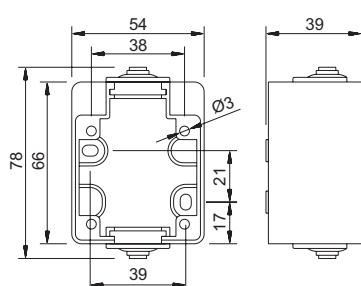
IP54 splashproof



Data socket outlet

- 2xRJ45 Cat.6 Modul 8(8)
- with insulation displacement connection

IP55 dust- and waterproof



Mounting box

Advantages:

- easy mounting - long holes for screws
- hole distance dimensions - on the rear
- space between wall and box by nipples
- 2 entries (top and bottom)
- holes for dehydration available

- for sockets PNOVA Plus with lid and flange size 50 x 50 mm
- suitable also for Swiss socket T23 1023-0bs and for Danish socket 1030-0b
- inkl. flange gasket (d105-05)

IP44 splashproof

Flange gasket for P-Nova plus and P-Nova

- for flange 50x50mm

Flange gasket can be mounted additionally if required.
(e.g.: for uneven surfaces)

Protective cover for P-NOVA plus

- protective cover
- material: PP

Amp.	Poles	pack. unit	Abbreviations/Types	Cat.No.
16	3	100	rear connection Flange: 50 x 50	1036-0s
				black

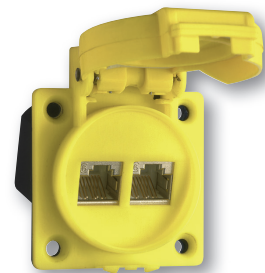


1036-0s

16	3	100	rear connection Flange: 50 x 50	1037-0s
				black



		1	yellow	45k23
--	--	---	--------	-------

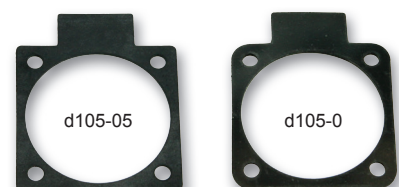


		24	blue	106-0
		24	grey	106-0g
Fields of application: designed for use in workshop halls, garages, industrial plants, outside walls, ... Mounting box is supplied complete.				



106-0

Flange gasket for P-Nova plus				d105-05
Flange gasket for P-Nova				d105-0



		100	transparent	ts105
--	--	-----	-------------	-------



NAUTILUS[®]



**WATERTIGHT
PLUGS AND CONNECTORS IP66/68**

Watertight Plugs and Sockets IP66/68

- robust design
-  for severe conditions
- housing material PC/ABS
- IP66/68 waterproof up to 2 bar / 2 h
- cover with bayonet
- very large hinged lid opening angle (~160°)
- contact-supporting part of PA6, glow wire test 850°C
- open contact screw head +/-
- nickel-plated screw terminals
- cover and cap with elastic band
- axels and mounting screws in stainless V2A quality
- two earthing system (plug)
- screwless cable gland (plug/connector)

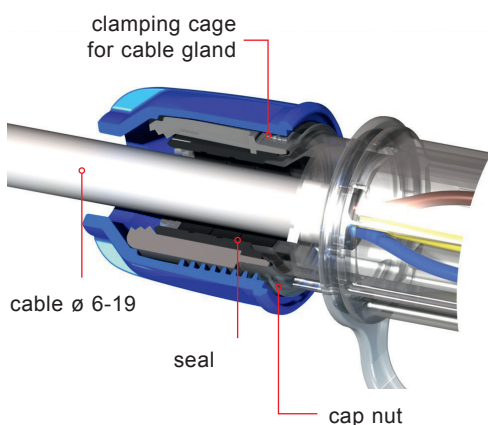


Austrian/German system
with/without shutter

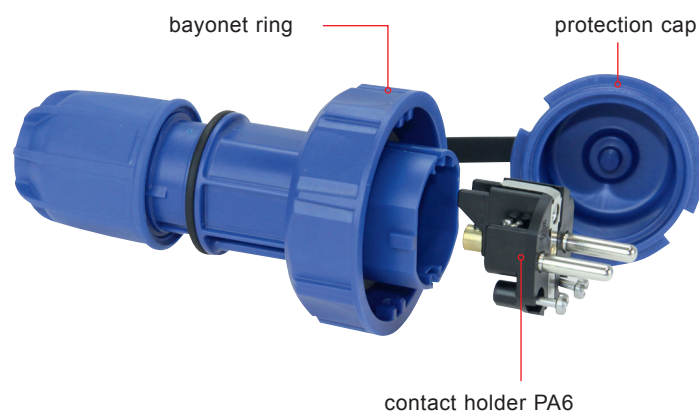


Belg./French system
with/without shutter

Plug/Connector



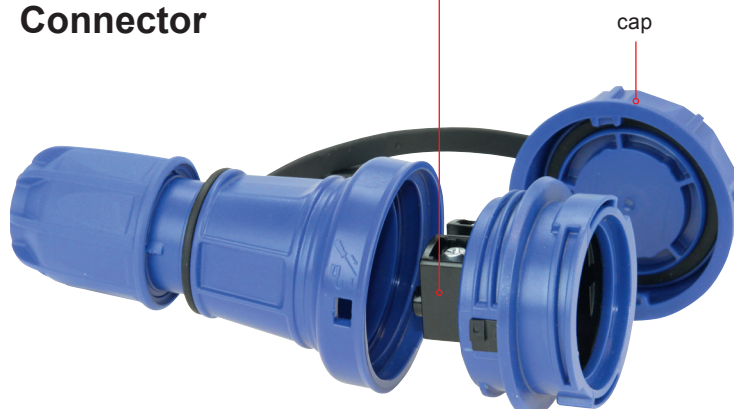
Plug



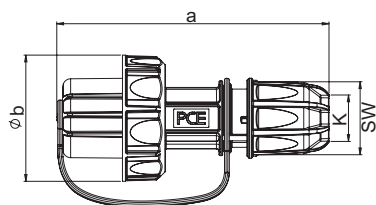
Flanged socket



Connector



Watertight plugs and connectors IP66/68

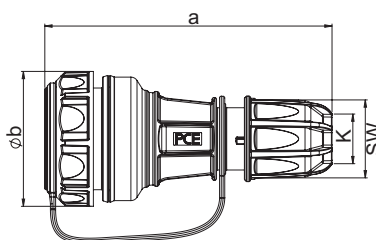


Plug with protection cap IP66/68

	16 Amp
Poles	2P + E
a	144
Ø b	65
K (cable Ø)	6 - 19
SW	38
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2,5
Contact screws [Ncm]	80
Weight [g]	120

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated
- protection cap with band
- VG96926 (Weapon norm approval on request!)

IP66/68 watertight
up to 2 bar / 2h

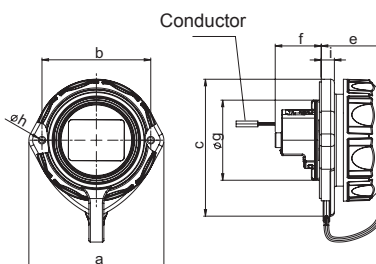


Connector with cap IP66/68

	16 Amp
Poles	2P + E
a	140
Ø b	65
K (cable Ø)	6 - 19
SW	38
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2,5
Contact screws [Ncm]	80
Weight [g]	140

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated
- cap with band
- VG96926 (Weapon norm approval on request!)

IP66/68 watertight
up to 2 bar / 2h

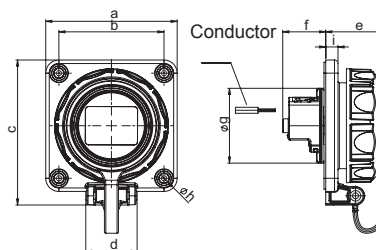


Flanged socket oval with cover band

	16 Amp
Poles	2P + E
a	72
b	58
c	75
e	36
f	25
g	43
h	4
i	7
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	87

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- rear connection
- 2-point fastening
- VG96926 (Weapon norm approval on request!)

IP66/68 watertight
up to 2 bar / 2h



Flanged socket 75x75 mm with cover band

	16 Amp
Poles	2P + E
a	75
b	60
c	84
d	30
e	36
f	25
g	43
h	5,5
i	7
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	101

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- rear connection
- 4-point fastening
- VG96926 (Weapon norm approval on request!)

IP66/68 watertight
up to 2 bar / 2h



250V~
50/60Hz

PCE

Amp.
Poles
pack.
unit

Abbreviations/Types

Cat.No.

Austrian/German System
Belgian/French System



16	3	10	2-earthing systems
16	3	10	2-earthing systems

20051-b
20051-u

blue
olive-green



20051-b



20051-u

Austrian/German System
without child protection (shutter)
with child protection (shutter)
Belgian/French System
without child protection (shutter)
with child protection (shutter)



16	3	10	without child protection (shutter)
16	3	10	with child protection (shutter)
16	3	10	without child protection (shutter)
16	3	10	with child protection (shutter)
16	3	10	without child protection (shutter)
16	3	10	with child protection (shutter)
16	3	10	without child protection (shutter)
16	3	10	with child protection (shutter)

20251-b
20251-bc
20251-u
20251-uc

blue
blue
olive-green
olive-green



20251-b



20251-u

Austrian/German System



16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)

20351-9b
20351-9bc
20351-9b
20351-9bc

blue
blue
olive-green
olive-green



20351-9b



20351-9u

Belgian/French System

16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)

20341-9b
20341-9bc
20341-9u
20341-9uc

blue
blue
olive-green
olive-green



20341-8b



20341-8u

Austrian/German System



16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)

20351-8b
20351-8bc
20351-8u
20351-8uc

blue
blue
olive-green
olive-green

Belgian/French System

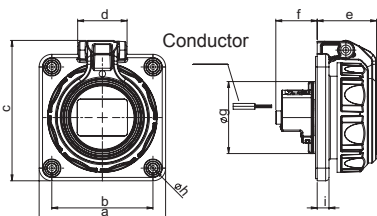
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)
16	3	10	rear connection
16	3	10	rear connection, with child protection (shutter)

20341-8b
20341-8bc
20341-8u
20341-8uc

blue
blue
olive-green
olive-green



watertight flanged sockets IP66/68

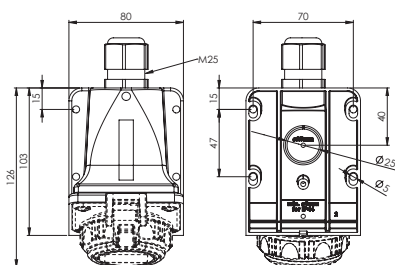


Flanged socket 75x75mm with hinged lid

	16 Amp
Poles	2P + E
a	75
b	60
c	84
d	30
e	36
f	25
g	43
h	5,5
i	7
Connection type:	Screwed conntact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	105

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- rear connection
- 4-point fastening

IP66/68 watertight
up to 2 bar / 2h

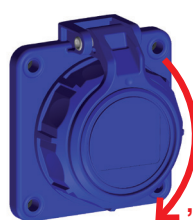


Wall housing for flanged socket 75x75mm IP66/68

- for flange size 75x75mm
- material: PA6
- 4-point fixation
- incl. mounting screws
- incl. cable gland M25

- **Opening and closing:**

When opening the hinged lid it latches into a defined position which prevents the lid when closing in a half position (Fig.1) on the housing. The open and closed position is visible by the position of the silver label to make sure, that the socket is closed all the way to be watertight.



„click...“



Fig.1



Labelling field horizontal

 $\Rightarrow$

cover waterproof closed

IP68

Labelling field vertical

 $\Rightarrow$

cover not closed correctly (not seal)

898

250V~
50/60Hz

PCE

Amp.	Poles	pack.	unit	Abbreviations/Types	Cat.No.
------	-------	-------	------	---------------------	---------

				Austrian/German system		
16	3	10		rear connection	20352-8b	blue
16	3	10		rear connection, with child protection (shutter)	20352-8bc	blue
16	3	10		rear connection	20352-8u	olive-green
16	3	10		rear connection, with child protection (shutter)	20352-8uc	olive-green
				Belgian/French System		
16	3	10		rear connection	20342-8b	blue
16	3	10		rear connection, with child protection (shutter)	20342-8bc	blue
16	3	10		rear connection	20342-8u	olive-green
16	3	10		rear connection with child protection (shutter)	20342-8uc	olive-green



20342-8b



20342-8u

			10	wall housing (empty)
--	--	--	----	----------------------

20168g

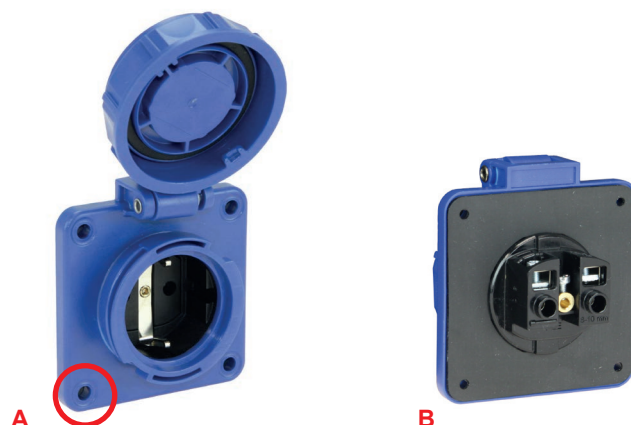


Example:



Screw head seal:

Plastic bed „A“ acts as an additional screw head seal to prevent water entering through the screw head.
Flange gasket (seal) „B“ additionally prevents water entering through the threaded shaft of the screw.





PLUGS

- IP44
-  for severe conditions
- 16A 250V~
- rubber and solid rubber
- single and dual-point earthing system



Rubber



Solid rubber

easy assembly and disassembly
of the contact carriers

large connection area

time saving installation

simple handling

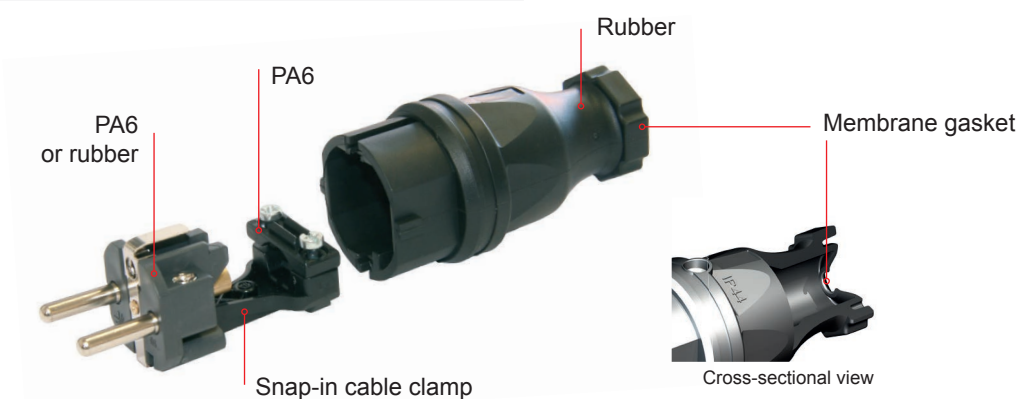
robust design

easy disassembly of shroud

slim design



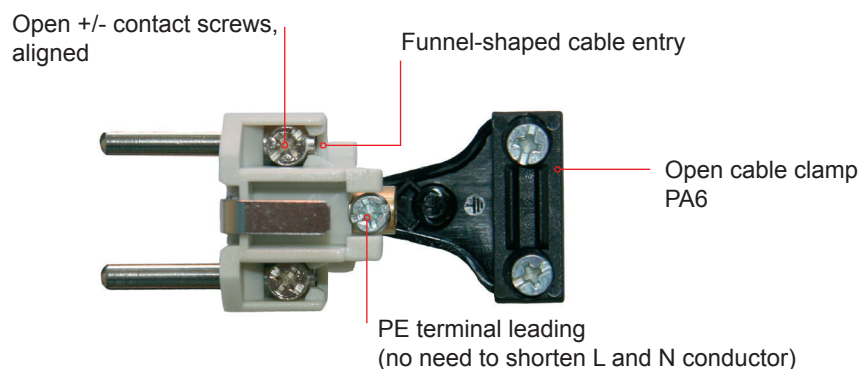
PLUG SYSTEMS



Max. 3G2,5 mm² rubber-sheathed flexible cable



PLUG MODULES



up to 3G2,5 mm² rubber cable, cable diameter 6-13mm

CONNECTOR SYSTEMS



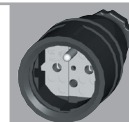
CONNECTOR SYSTEMS

- IP44
-  for severe conditions
- 16A 250V~
- rubber and solid rubber
- dual-point earthing system

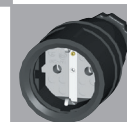


Rubber

Rubber connector Belgian/French earth



Rubber connector



Solid rubber connector



Connector with hinged lid



Connector with interlocked ring

Cable clamp:

internal

easy to use cable clamp elements
(open screws)

large connection area

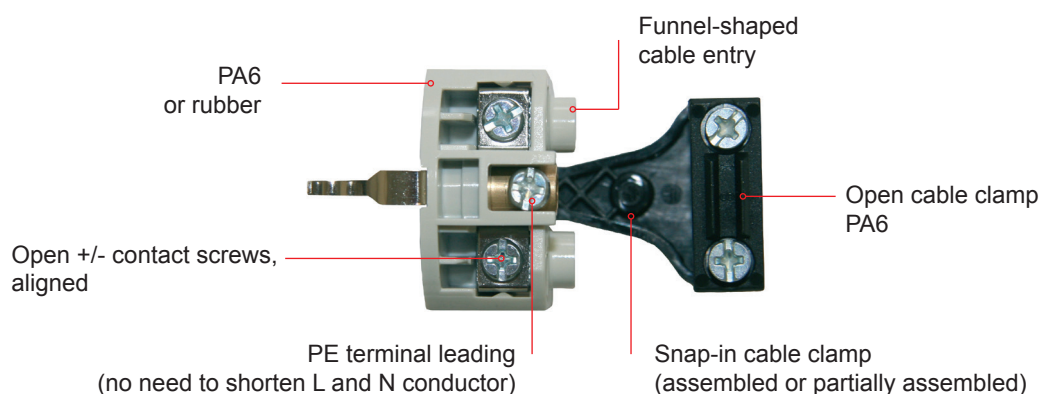
simple initial assembly via
notched contact carriers

Contact and connection system:

all contact screws can be adjusted from a single direction (parallel alignment).



CONNECTOR MODULES



up to 3G2,5 mm² rubber cable, cable diameter 6-13mm





SERIES

TAURUS

**PLUG AND CONNECTOR
SYSTEMS**



3-WAY CONNECTORS

- IP44
-  for severe conditions
- 16A 250V
- rubber and solid rubber



contact carriers integrated in housing

own contact elements

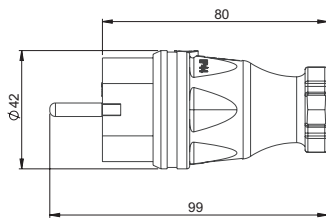
open cable clamp

ready wired on main terminal

cap with band

Safety plugs

Rubber plug IP44



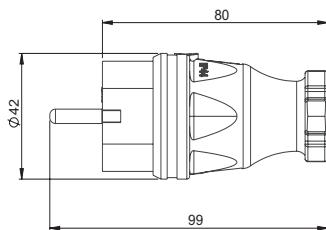
• Insert: polyamide

IP44 splashproof



Insert:	acc. Austrian/German system	dual earthing system	acc. Belg./French System
Polyamide	0511-s	0521-s	0531-s
pack.unit:	30	30	30

Solid rubber plug IP44



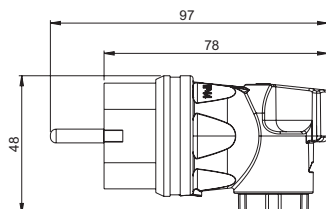
• Insert: rubber

IP44 splashproof



Insert:	acc. Austrian/German system	dual earthing system	acc. Belg./French System
Rubber	0512-s	0522-s	0532-s
pack.unit:	30	30	30

Angled plug (rubber / solid rubber) IP44



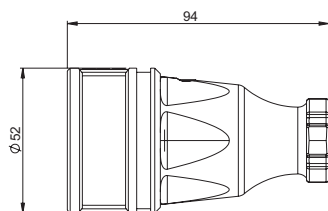
IP44 splashproof



Insert:	acc. Austrian/German system	dual earthing system	acc. Belg./French System
Polyamide	05811-s	05821-s	05831-s
Rubber	05812-s	05822-s	05832-s
pack.unit	30	30	30



Rubber connector IP20



• Insert: polyamide

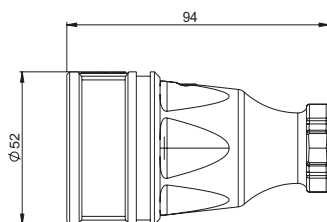
IP20



Insert:	acc. Austrian/German system	acc. Belg./French System
Polyamide	2510-s	2410-s
Polyamide with child protection	2510-sc	2410-sc
pack.unit	20	20



Solid rubber connector IP20

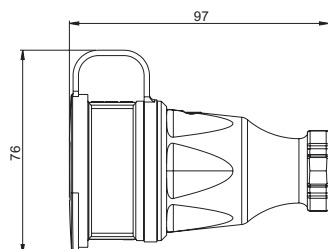


• Insert: rubber



Insert:	acc. Austrian/German system	
Rubber	2520-s	
pack.unit	20	

Rubber connector with cap IP44



• with cap
• Insert: polyamide

IP44 splashproof 

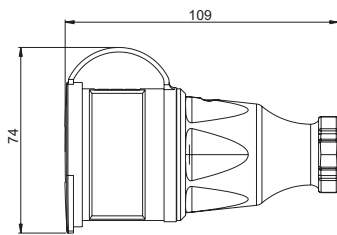


Insert:	acc. Austrian/German system	acc. Belg./French System
Polyamide	2511-s	2411-s
Polyamide with child protection	2511-sc	2411-sc
pack.unit	20	20



Safety connectors

Solid rubber connector with cap IP44



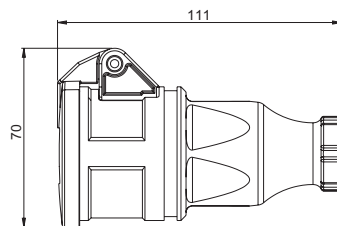
- Insert: rubber

IP44 splashproof 



Insert:	acc. Austrian/German system	
Rubber	2521-s	
pack.unit	20	

Solid rubber connector with hinged lid IP44



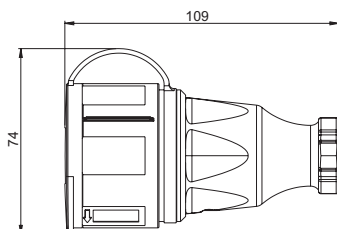
- Insert: rubber

IP44 splashproof 



Insert:	acc. Austrian/German system	
Rubber	2522-s	
pack.unit	20	

Rubber connector with cap and locking ring IP44



- With cap and locking ring
- Insert: polyamide

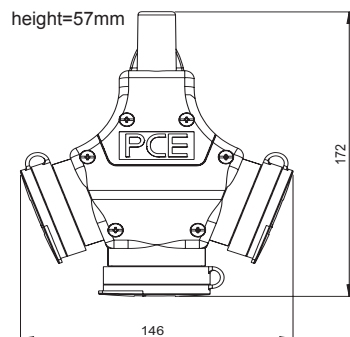
IP44 splashproof 



Insert:	acc. Austrian/German system	acc. Belg./French System
Polyamide	2511-sl	2411-sl
Polyamide with child protection	2511-scl	2411-scl
VPE	20	20



3-way connector rubber with cap* IP44



- with cap
- Insert: polyamide
- Ready wired on main terminal

IP44 splashproof 



Insert:	acc. Austrian/German system	acc. Belg./French System
Polyamide	25311-s	24311-s
Polyamide with child protection	25311-sc	24311-sc
pack.unit	5	5



* 3-way connectors with hinged lid see page 177

3-way connector rubber with cap* and 5-pole connector IP44



- 5-pole connector terminal
- With cap
- Insert: polyamide
- Ready wired on main terminal

IP44 splashproof 



Insert:	acc. Austrian/German system	acc. Belg./French System
Polyamide	25311-s5	24311-s5
Polyamide with child protection		24311-sc5
pack.unit	5	5



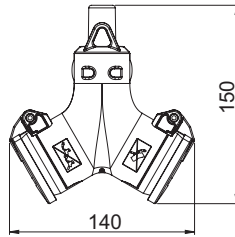
* 3-way connectors with hinged lid see page 177

Safety plugs and sockets POLYAMIDE

2-way connector with hinged lid IP44

- With hinged lid
- Insert: polyamide

IP44 splashproof



Insert:	acc. Austrian/German system	acc. Belg./French System
Polyamide	25212-r	24212-r
Polyamide with child protection	25212-rc	24212-rc
pack.unit	10	10

Safety plugs and connectors

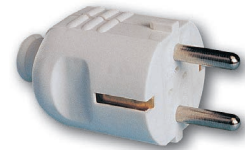
Polyamide

Plug

- Polyamide

IP20

Color	pack. unit	acc. Austrian/German system		dual earthing system
		cable entry central	cable entry side	cable entry central
white	50	02958	05018	08266
brown	50	02961	05021	08282
black	50	02974	05034	08295
grey	50	02980	05040	



Connecor

- Polyamide

IP20

Color	pack. unit	acc. Austrian/German system		acc. Belg./Franz. system
		cable entry central	cable entry side	
white	25	05148		08224
brown	25	05164		
black	25	05177		08253
grey	25	05180		



Plug British system 13A

Plug

- Polyamide
- With integrated 13A fuse
- Cable entry: side

IP32

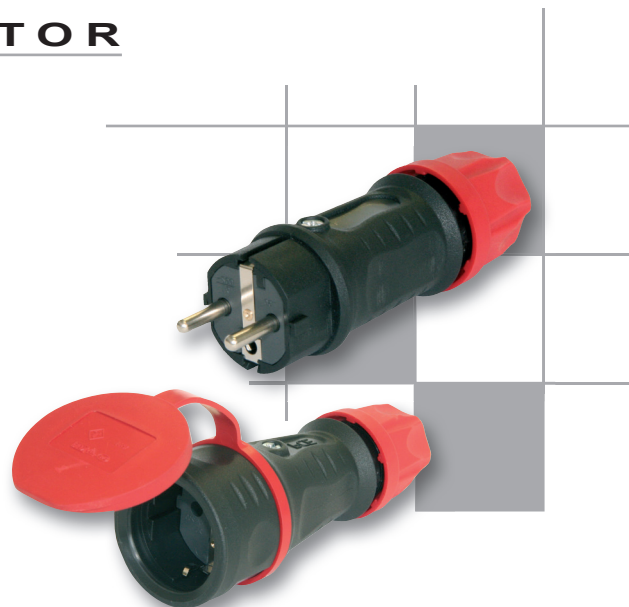
Color	pack unit.	acc. brit. system
		cable entry side
black	10	00200





PLUG & CONNECTOR

- IP44
-  for severe conditions
- 16A 250V~
- only solid rubber
- screwless cable gland
- perfect grip
- plug: dual earthing system
- connector: two earthing systems (Austrian/German system, Belg./French system)



easy assembly and disassembly of
the contact carriers

time saving (shorter connection time)
due to the external cable clamp

large connection area

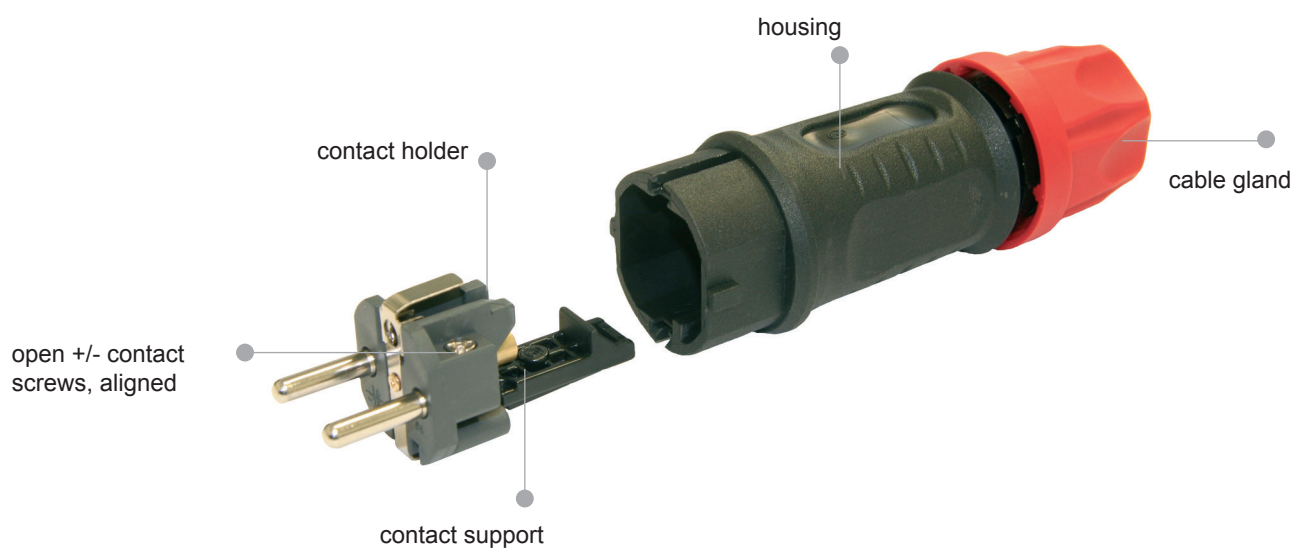
simple handling

robust design

up to 3G 2,5mm²

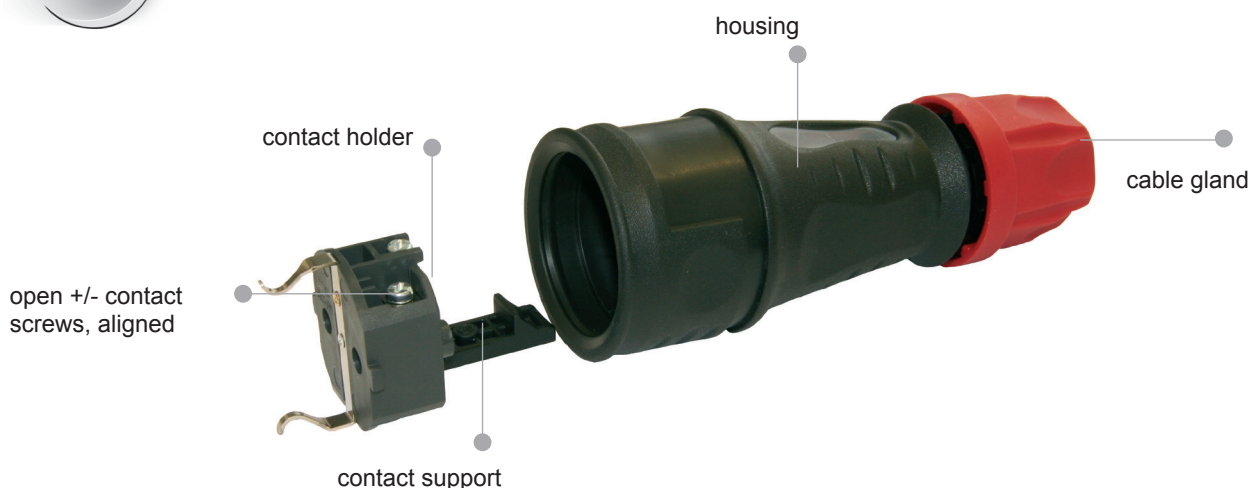


PLUG MODULES





CONNECTOR MODULES



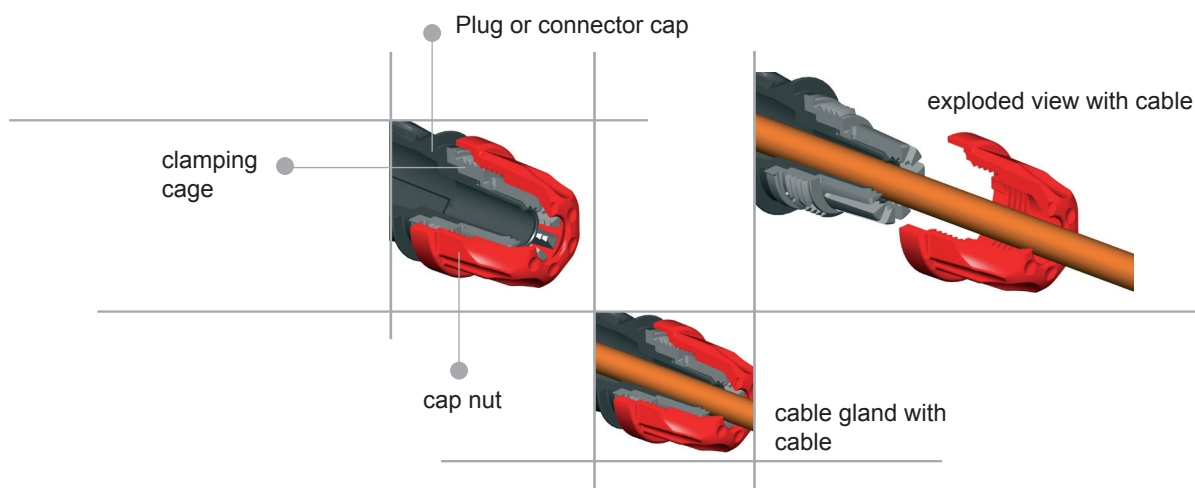
3-WAY CONNECTOR

- hinged lid (self closing)
- large connection area
- 3 or 5 pole terminal
- suspension hook

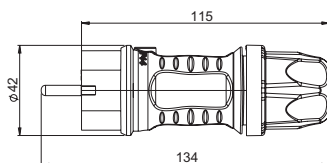


CABLE CLAMP

- externally placed
- easy handling
- simple assembly
- for cable diameters from:
 - Ø 6 to Ø 13mm (plug & connector)
 - Ø 6 to Ø 19mm (3-way connector)



Solid rubber plug IP44



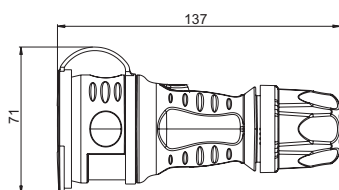
• Insert: rubber

IP44 splashproof



Insert:		dual earthing system	
Rubber		05622-s	
pack.unit		20	

Solid rubber connector with cap IP44



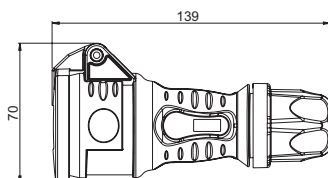
• with cap

IP44 splashproof



Insert:	acc. Austrian/German system	acc. Belg./French System
Rubber	25621-s	
Polyamide with sealing bulge		24611-s
Polyamide with sealing bulge and child protection		24611-sc
pack.unit	10	10

Solid rubber connector with hinged lid IP44



• with hinged lid

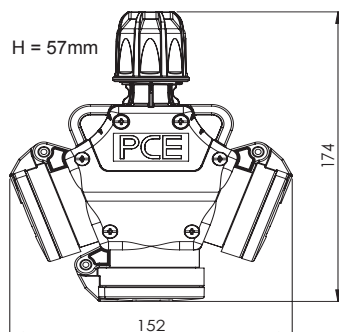
IP44 splashproof



Insert:	acc. Austrian/German system	
Rubber	25622-s	
pack.unit	10	

CONNECTOR SYSTEMS

3-way connector solid rubber with hinged lid IP44



- With hinged lid
- External centric cable gland
- Insert: rubber
- Ready wired on main terminal

IP44

splashproof



Insert:	acc. Austrian/German system	
Rubber	253622-s	
pack.unit	5	

3-way connector solid rubber with hinged lid and 5-pole terminal IP44



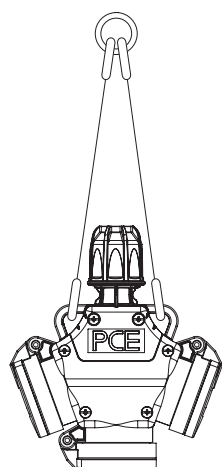
- 5-pole terminal
- With hinged lid
- External centric cable gland
- Insert: rubber
- Ready wired on main terminal

IP44

splashproof



Insert:	acc. Austrian/German system	
Rubber	253622-s5	
pack.unit	5	



3-way connectors are also perfectly for hanging usage!

- **Suspension kit for 3-way connector (L=300mm)** **2563-1**



Multiple-sockets outlet

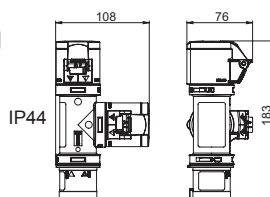


T-Connect 2-way connector with CEE plug

Fittings:

- 1 CEE-plug 16A 3p 6h
- 2 CEE-sockets 16A 3p 6h

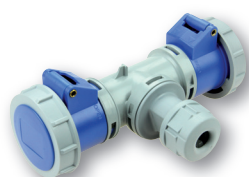
IP44 splashproof
IP67 watertight



IP44 94325103*

IP67 94326103*

pack unit: 10

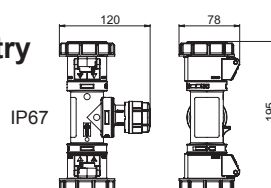


T-Connect 2-way connector with cable entry

Fittings:

- 1 cable entry with cable gland (terminal max. 3x2,5mm²)
- 2 CEE-sockets 16A 3p 6h outlet

IP44 splashproof
IP67 watertight



IP44 94325102

IP67 94326102

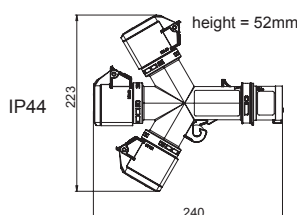
pack unit: 10



Multiple-socket outlet

- nickel plated contacts
- also available in 110V

IP44 splashproof
IP67 watertight



Entry:

1 CEE-plug 16A 3p 230V

Outlet:

3 CEE-sockets 16A 3p 230V

IP44 9432000*

IP67 9432001*

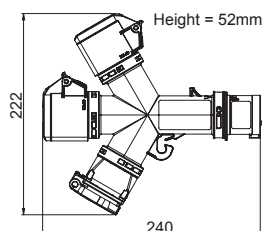
pack unit: 5



Multiple-socket outlet

- nickel plated contacts
- also available in 110V
- available also with Belg./French, Danish and British sockets

IP44 splashproof



Entry:

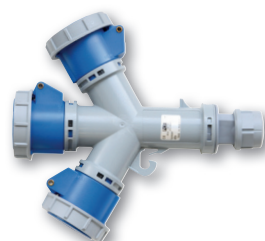
1 CEE-plug 16A 3p 230V

Outlet:

2 CEE-sockets 16A 3p 230V
1 safety socket 16A 250V

IP44 9432004*

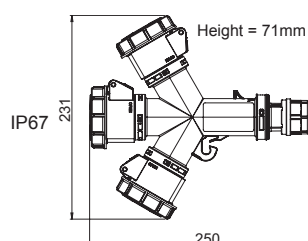
pack unit: 5



Multiple-socket outlet

- nickel plated contacts
- also available in 110V

IP44 splashproof
IP67 watertight



Entry:

1 Twist-cable gland prewired on terminals

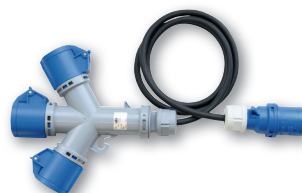
Outlet:

3 CEE-sockets 16A 3p 230V

IP44 9432006

IP67 9432007

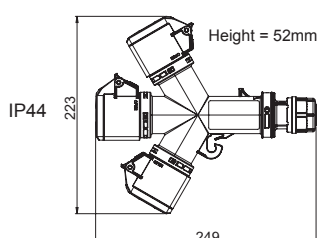
pack unit: 5



Multiple-socket outlet

- nickel plated contacts
- also available in 110V

IP44 splashproof
IP67 watertight



Entry:

1,5m cable with plug 16A 3p 230V

Outlet:

3 CEE-sockets 16A 3p 230V

IP44 9432002

IP67 9432003

pack unit: 5

* Export version (Usage in Austria and Germany not allowed!) - other versions on request

Multiple-sockets outlet and adaptors

Adaptor

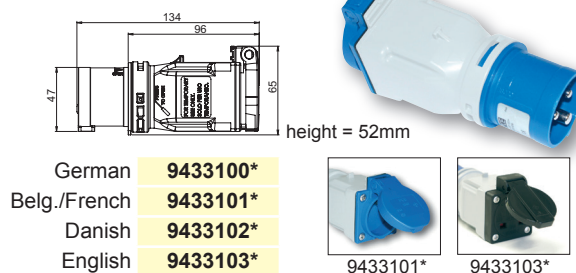
CEE-plug 16A 3p / safety socket

- available also with Belg./French, Danish and British sockets
- nickel-plated contacts

IP44 splashproof

Entry:
1 CEE-plug
16A 3p 230V

Outlet:
1 safety socket 16A 250V



Adaptor

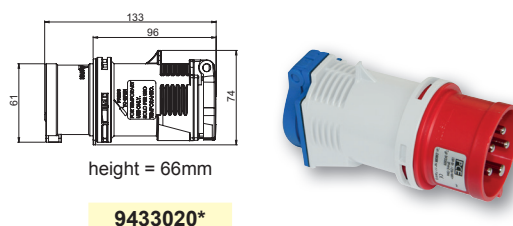
CEE-plug 16A 5p / safety socket

- available also with Belg./French, Danish and British sockets
- nickel-plated contacts

IP44 splashproof

Entry:
1 CEE-plug 16A 5p 400V

Outlet:
1 safety socket 16A 250V



Adaptor

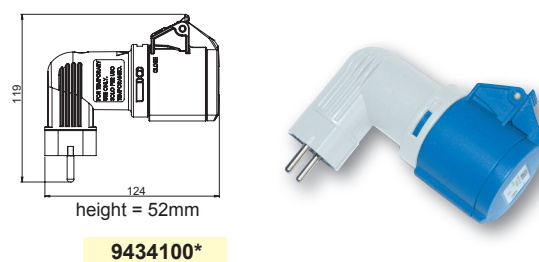
Plug for domestic use / CEE-socket outlet

- nickel-plated contacts

IP20

Entry:
1 plug 16A 2p+E 250V
(dual earthing system)

Outlet:
1 CEE-socket 16A 3p 230V



Adaptor

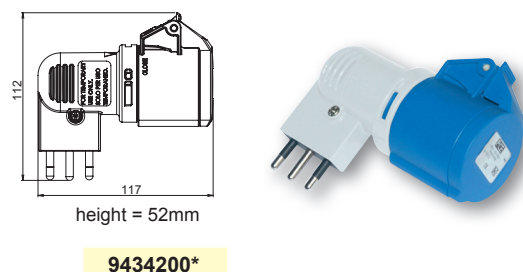
Plug for domestic use / CEE-socket outlet

- nickel-plated contacts

IP20

Entry:
1 plug italian system P17

Outlet:
1 CEE-socket 16A 3p 230V



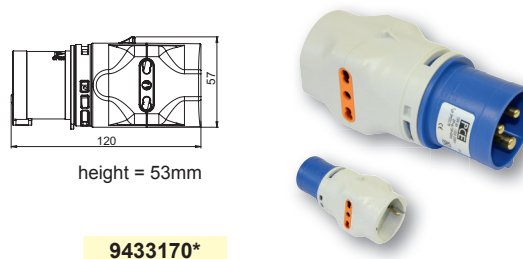
Adaptor

CEE-plug 16A 3p / socket outlet for domestic use

IP20

Entry:
1 CEE-plug 16A 3p 230V

Outlet:
2 italian socket outlets P17/11
1 italian socket outlet P30/17



Adaptors



Adaptor thermoplastic

IP44 splashproof

Entry	Protection	Outlet	Cat.No.
CEE-plug 16A 5p 400V	-	CEE-socket 32A 5p 400V	9437420
CEE-phase inverter 16A 5p 400V	-	CEE-socket 32A 5p 400V	9437430

Reducing adaptor thermoplastic

IP44 splashproof

Entry	Protection	Outlet	Cat.No.
CEE-plug 32A 5p 400V	MCB 16A 3p-C	CEE-socket 16A 5p 400V	9436422 
CEE-phase inverter 32A 5p 400V	MCB 16A 3p-C	CEE-socket 16A 5p 400V	9436432 
CEE-plug 32A 5p 400V	MCB 16A 1p-C	safety socket 16A 250V	9437633

 ...available on stock!



Adaptor CEE16/5 to 3xSSD (2m)

IP44 splashproof

Entry	Protection	Outlet	Best.Nr.
2m H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	-	3 x safety socket 16A 250V (3-way connector with hinged lid)	xxxx



Adaptor solid rubber, series TRAUNSEE

with carrying handle

IP44 splashproof

Entry	Protection	Outlet	Cat.No.
2m cable 5G4 with CEE-plug 32A 5p 400V	MCB 16A 3p-C	CEE-socket 16A 5p 400V	9216635
2m cable 5G10 with CEE-plug 63A 5p 400V	MCB 16A 3p-C RCD 40/4/0,03A	CEE-socket 16A 5p 400V	9216631
2m cable 5G10 with CEE-plug 63A 5p 400V	MCB 32A 3p-C RCD-therm 40/4/0,03A	CEE-socket 32A 5p 400V	9216645



Adaptor solid rubber, series ZELL

with carrying handle

IP44 splashproof

Entry	Protection	Outlet	Cat.No.
2m cable 5G16 with CEE-plug 125A 5p 400V	MCB 63A 3p-C	CEE-socket 63A 5p 400V	9226961

CEE adaptor cable

IP44 splashproof

Entry	Protection	Outlet	Cat.No.
1m H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	-	CEE-connector 32A 5p 400V	9809051
1m H07RN-F 5G6 with CEE-plug 32A 5p 400V	-	CEE-connector 63A 5p 400V	980901506204



Special designs - available on request!

Testing plugs, CEE adapter cable, plug with switch, motor protection plug

CEE-plug surface mounting

+ UVR – via contactor

- 16A 5p 400V
- with ON / OFF buttons
- AC3 400V - I_e = max. 9A/400V
- for motors max. 4kW
- Flange: 85x85, fixing-center: 68x68

IP44 splashproof

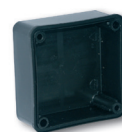
201620



Housing

for CEE plug surface mounting Cat.No. 201620

352531



Motor protection switch with plug

Bottom housing without mounting holes.

Embossed for holes 68x68mm or 80x80mm.

Perfect fit for direct mounting on motors.

IP44 splashproof

Iso-box with motor protection

with **CEE-plug 16A 5p 400V**

and **padlock barricade**

with undervoltage release (UVR) 400V 50Hz

Setting range

2,5 - 4,0A	210316
4,0 - 6,3A	210317
6,3 - 10,0A	210318
10,0 - 16,0A	210319

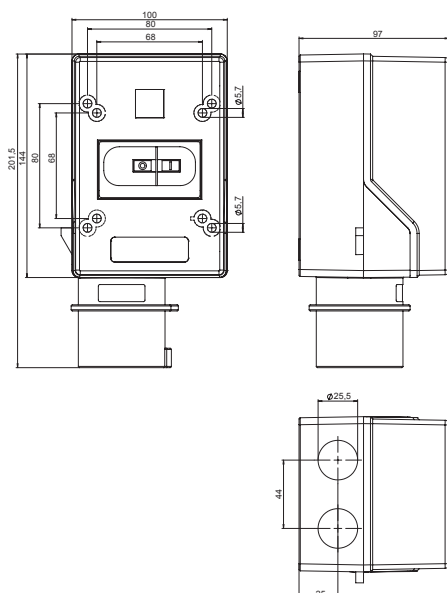
Iso-box with motor protection

with **CEE-plug with phase inverter 16A 5p 400V**

and **padlock barricade**

with undervoltage release (UVR) 400V 50Hz

2,5 - 4,0A	210336
4,0 - 6,3A	210337
6,3 - 10,0A	210338
10,0 - 16,0A	210339



CEE - diagnostic plug with LED display



CEE diagnostic plug* with LED display

• The practical helper for all electricians in industry, craft and on construction sites!

• Multiple display- and diagnostic functions

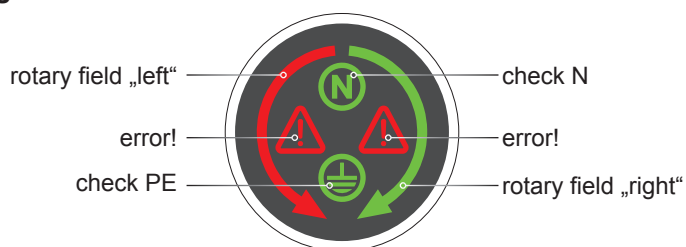
- Rotary field check
- Phase conductor check
- Neutral conductor check
- Protective earth conductor check

IP44 splashproof



Version	Cat.No.
16A CEE plug with LED display (16A 5p 6h 400V)	9434152
32A CEE plug with LED display (32A 5p 6h 400V)	9434252
63A CEE plug with external LED display (32A 5p 400V)	9434353

Display diagnostic plug:



L1	L2	L3	N	PE	display
OK	OK	OK	OK	OK	
OK	OK	OK	OK	-	
OK	OK	OK	-	OK	
OK	OK	OK	-	-	
L3	L2	L1	OK	OK	
L3	L2	L1	OK	-	
L3	L2	L1	-	OK	
L3	L2	L1	-	-	

L1	L2	L3	N	PE	display
1 phase or 2 phases missing			OK	OK	
			OK	-	
			-	OK	
			-	-	
1 phase inverted with N			L	OK	
			L	-	
1 phase inverted with PE			OK	L	
			-	L	

* only for temporary testing period allowed! (not for permanent use)

CEE - current measurement plug

Current measurement plug* 16A (L1-L2-L3)

The new CEE current measurement test adapter allows a simple and easy measurement of each single phase L1-L2-L3 with a standard clamp meter and offers an optional rotation field check.

Technical data:

Entry:	CEE plug 16A 400V 5p 6h
Outlet:	CEE connector 16A 400V 5p 6h
Ingress protection:	IP44 splashproof
Current measurement:	L1 / L2 / L3 with clamp meter (not included)
Rotation field check:	LED lights (optional) ● Rotation clockwise (green) ● Rotation counter clockwise (red) ○ Phase missing (no light)

Version	Cat.No.
16A CEE adapter without rotation field check	9434150
16A CEE adaptor with rotation field check	9434151



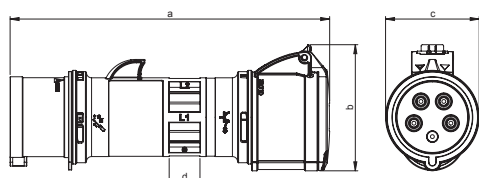
Current measurement plug* 32A (L1-L2-L3-N-PE)

The new CEE current measurement test adapter allows a simple and easy measurement of each single phase L1-L2-L3 as well as N and PE separate with a standard clamp meter and offers an optional rotation field check.

Technical data:

Entry:	CEE plug 16A 400V 5p 6h
Outlet:	CEE connector 16A 400V 5p 6h
Ingress protection:	IP44 splashproof
Current measurement:	L1 / L2 / L3 / N / PE with clamp meter (not included)
Rotation field check:	LED lights (optional) ● Rotation clockwise (green) ● Rotation counter clockwise (red) ○ Phase missing (no light)

Version	Cat.No.
32A CEE current adapter without rotation field check	9434250
32A CEE current adapter with rotation field check	9434251



Ampere	16 A	32 A
Poles	5	5
a	220	250
b	89	99
c	66	73
d	20	24



Fig.: Example with connected plug, connector and clamp meter.

ADVANTAGES

- **SAFE** - plugs, enclosures and connectors do not have to be opened in order to expose the wires.
- **SIMPLE** - handy and easy operation by comfortable plug-in operation (adapter function)..
- **FAST** - fast current measurement or symmetrical diagnosis for three phase loads (e.g. in combination with distribution boxes).
- **UNIVERSAL** - current measurement with standard clamp meter* and optional rotation field check in one unit.

* only for temporary use!



CEE-PLUGS WITH SWITCH
MOTOR PROTECTION PLUGS

Motor protection plugs

Results without motor protection plugs:

Do you know the problem of ...

- >> ... a destroyed engine?
- >> ... a defective arrangement?
- >> ... a burnt through winding by overloading?
- >> ... mechanical damage on account of wrong rotation direction?
- >> ... secondary damage such as flooding?



Field of Applications

>> Pumps

Submerged pumps, mobile pumping plants, pumps for construction sites, water pumps, ...

>> Agitators

Mobile machines for mixing (building site machines)

>> Blowers

Ventilators, space ventilation, ...

>> Compressors

Breathing air compressors, mobile compressors, ...

>> Conveyors

Rolling and chain conveyors, band-conveyors, ...

>> Industrial motors

>> Construction machines

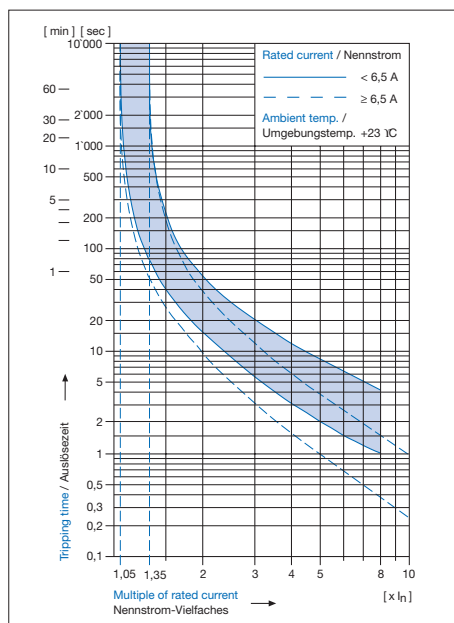
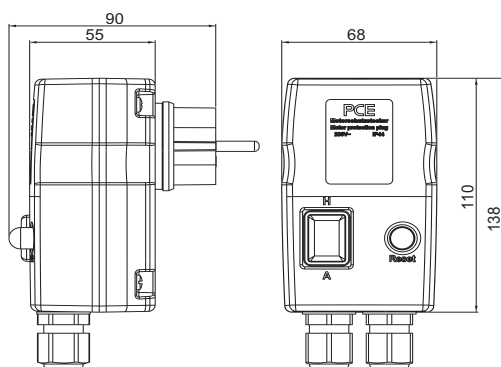
Circular saws, hand tools, ...

>> Extractions

mobile laboratory ventilation, smoke extraction, ...



Motorprotection plugs 16A 230V 1,5 - 8,0A



Motorprotection with safety plug 16A 230V for all one-phase motors

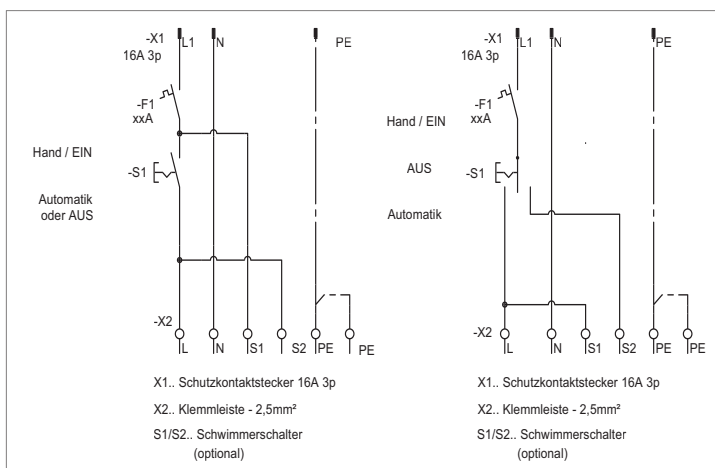
Technical datas:

- Enclosure material: PC/ABS
- Protection degree: IP44
- IK standard acc. EN50102: IK09
- Temperature range: -5°C to +40°C
- large connection area

Designs:

- with rocker switch **ON/OFF (I-O)** or **HAND OPERATION/AUTOMATIC (H-A)** for the use of a float switch*
- with rocker switch **HAND OPERATION/OFF/AUTOMATIC (I - O - II)** change between continuous duty, Off and Automatic for the use of a float switch*
- circuit breaker with external reset switch
currents: 1,5A, 3A, 4A, 5A, 6,5A, 8A
- cable entry:
1,5–8,0A: 2xM16 cable glands (ø 5–10mm)
1x marking for break through enlargement up to ø 20mm

The motor protection plug 16A 230V provides reliable protection for overload. It is used mainly for switching and the protection of one-phase AC motors on pumps, circular saws and industrial motors.



Motor protection plug 16A 230V

- Hand-operation-Automatic or On-Off
- or
- Hand operation-Off – Automatic
- cable gland: 2xM16 (5–10mm)

IP44 splashproof

setting
range

3,0A

4,0A

5,0A

6,5A

8,0A

230V~ 50/60Hz

HAND-AUTOMATIC or ON-OFF	HAND-OFF-AUTOMATIC
56103000	56103001
56104000	56104001
56105000	
56106000	
56108000	

* Float switch see page 201

Motorprotection plugs 16A 230V 10 - 16A

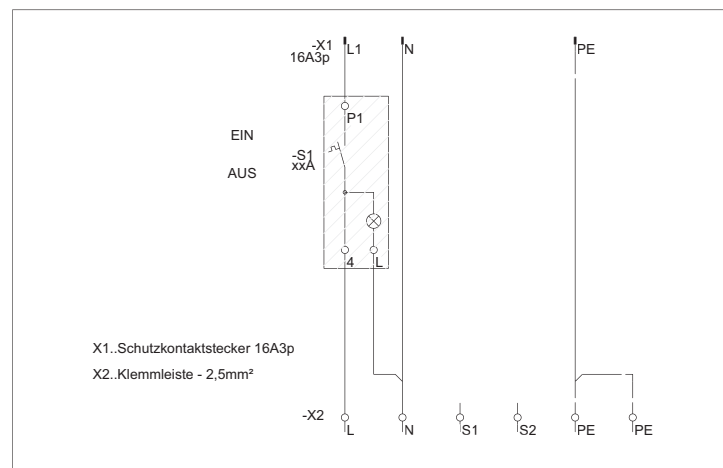
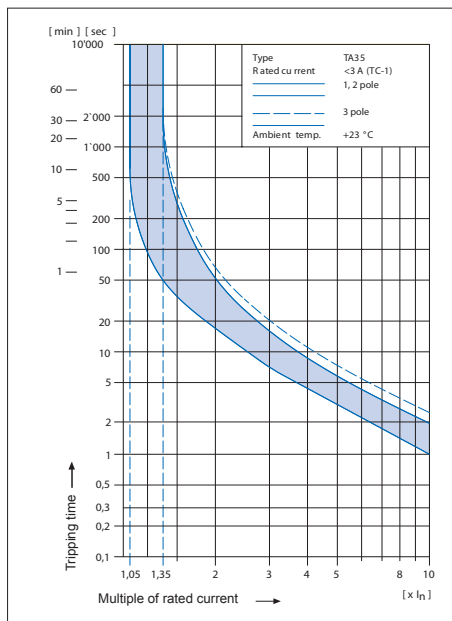
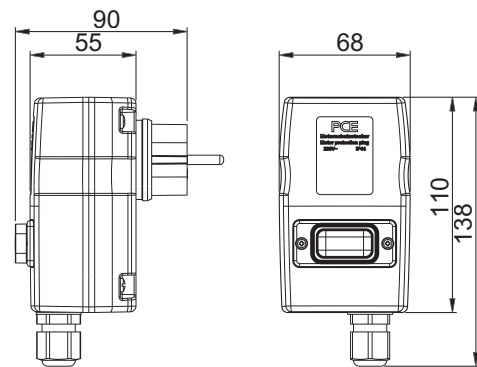
Motorprotection with safety plug 16A 230V for all one-phase motors

Technical datas:

- Enclosure material: PC/ABS
- Protection degree: IP44
- IK standard acc. EN50102: IK09
- Temperature range: -5°C to +40°C
- large connection area

Designs:

- with rocker switch ON/OFF which lights green when switched on
- change between continuous duty, Off and Automatic for the use of a float switch*
- currents: 10A, 12A, 14A, 15A, 16A
- cable entry:
10–16A: 1xM16 cable glands (ø 5–10mm)
1x marking for break through enlargement up to ø 16mm



Motor protection plug 16A 230V

- Hand-operation-Automatic or On-Off
- cable gland: M16 (5–10mm)

IP44 splashproof

setting
range

10A
12A
14A
15A
16A

230V~ 50/60Hz

HAND-AUTOMATIKC
or ON-OFF

56110004

56112004

56114004

56115004

56116004

Motorprotection plug with capacitor

■ OFF/ON

Motorprotection plug with capacitor 16A 230V for all single phase motors

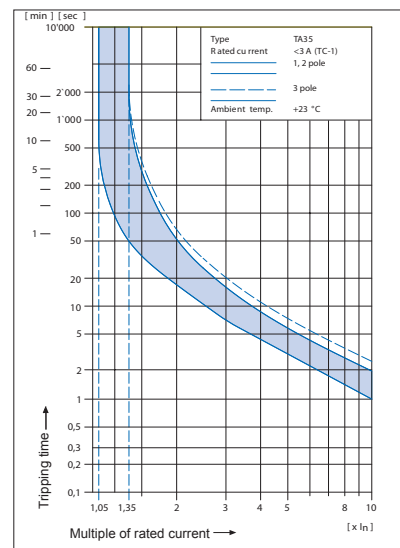
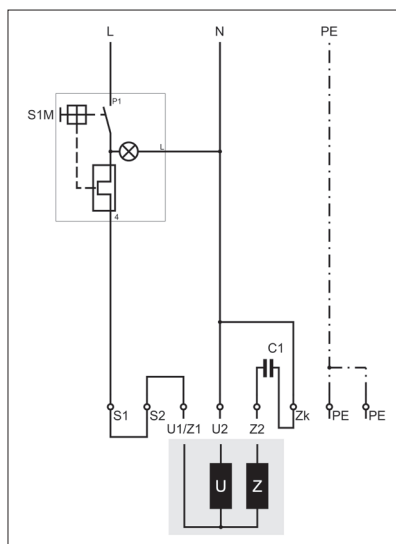
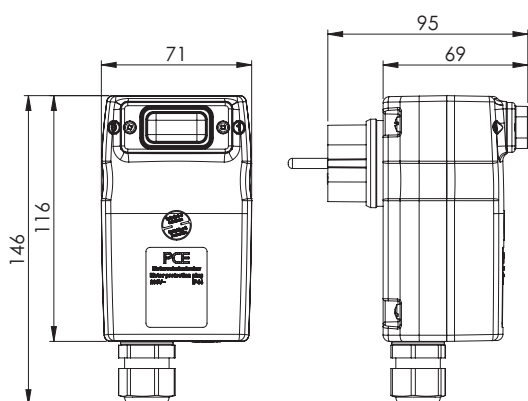


■ ■ Technical datas:

- Enclosure material: PC/ABS
- Protection degree: IP44
- IK standard acc. EN50102: IK09
- Temperature range: -5°C to +40°C
- large connection area
- connecting terminal: 2,5mm²

■ ■ Designs:

- with rocker switch ON/OFF (0-1)
- switch illuminated
- plug with dual earthing system
- currents: 4A / 6A / 8A / 10A
- integrated capacitor: 20µF / 25µF / 30µF
- cable entry: M20



switch S1M (0/1)	0	1
appliance: e.g.: pump	0	1

S1M 0 = OFF 1 = ON illumination (green) = power supply existing

Motorprotection plug with integrated capacitor

- OFF/ON
- cable gland: M20

IP44 splashproof

Amp.

4,0A

6,0A

8,0A

10,0A

230V~ 50/60Hz

C = 20 µF

C = 30 µF

561040C2001

561040C3001

561060C2001

561060C3001

561080C2001

561080C3001

561100C2001

561100C3001

Other versions on request!

Motorprotection plug with capacitor

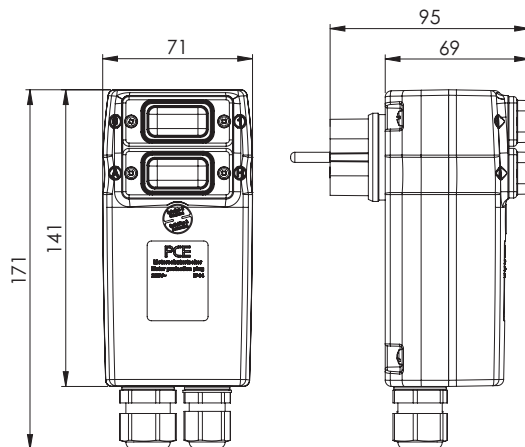
Motorprotection plug with capacitor 16A 230V for all single phase motors

Technical datas:

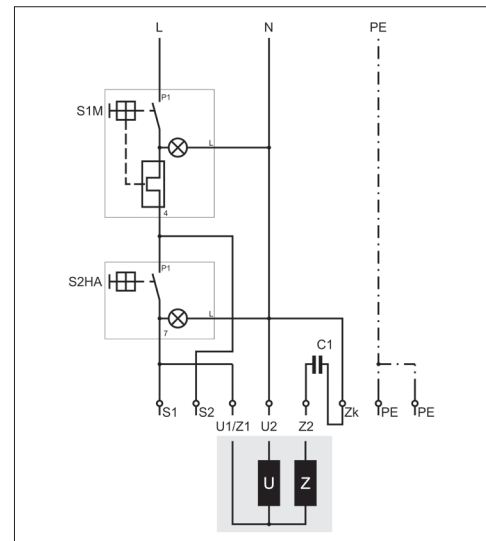
- Enclosure material: PC/ABS
- Protection degree: IP44
- IK standard acc. EN50102: IK09
- Temperature range: -5°C to +40°C
- large connection area
- connecting terminal: 2,5mm²

Designs:

- with rocker switch **ON/OFF** (0-1) and **HAND/AUTOMATIC** (H/A)
- switch illuminated
- plug with dual earthing system
- currents: 4A / 6A / 8A / 10A
- integrated capacitor: 20µF / 25µF / 30µF
- cable entry: M20 / M16



OFF/ON – HAND/AUTOMATIC



switch: S1M (0/1)	0	0	0	0	1	1	1	1
switch: S2HA (H/A)	A	A	H	H	A	A	H	H
external circuit element(0/1) e.g.: float switch	0	1	0	1	1	0	1	0
appliance: e.g.: pump	0	0	0	0	1	0	1	1

S1M	0 = OFF	1 = ON	illumination (green) = power supply existing
S2HA	H = HAND	A = AUTOMATIC	illumination (yellow) = appliance in operating state

Motorprotection plug with integrated capacitor

- OFF/ON and HAND/AUTOMATIC
- cable gland: M20 and M16

IP44 splashproof

Amp.

4,0A

6,0A

8,0A

10,0A

230V~ 50/60Hz

C = 20 µF

C = 30 µF

561040C2003

561040C3003

561060C2003

561060C3003

561080C2003

561080C3003

561100C2003

561100C3003

* Float switch see page 201

CEE-plugs with switch

CEE-ON/OFF-Switch ML0-Plug



- ON/OFF switch: AC22A, 10kA 
- Cable gland: 16A: 4p M25, 5p M25
32A: 4p M25, 5p M32
- 400V~ 50/60Hz 4p+5p=6h

IP44 splashproof

without operating display
with operating display

with holder

16A		32A	
4p	5p	4p	5p
54014530	54015530	54024530	54025530
540145301	540155301	540245301	540255301
53xxxxxx	53xxxxxx	53xxxxxx	53xxxxxx

CEE-ON/OFF-Switch ML0-plug with phase inverter



- ON/OFF switch: AC22A, 10kA 
- Cable gland: 16A: 4p M25, 5p M25
32A: 4p M25, 5p M32
- 400V~ 50/60Hz 4p+5p=6h

IP44 splashproof

without display
with operating display
with rotary field check

with holder

16A		32A	
4p	5p	4p	5p
54714530	54715530	54724530	54725530
547145301	547155301	547245301	547255301
547145303	547155303	547245303	547255303
53xxxxxx	53xxxxxx	53xxxxxx	53xxxxxx

CEE-Reversing switch CA10 (CA25) - plug



- AC22A 
- Reversing switch: 16A CA10, 32A CA25
- Cable gland: 16A: 4p M25, 5p M25
32A: 4p M25, 5p M32
- 400V~ 50/60Hz 4p+5p=6h

IP44 splashproof

without operating display
with operating display

with holder

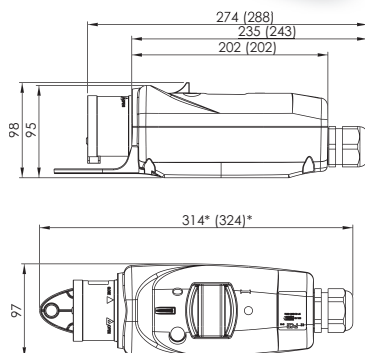
16A		32A	
4p	5p	4p	5p
54014610	54015610	54024625	54025625
540146101	540156101	540246251	540256251
53xxxxxx	53xxxxxx	53xxxxxx	53xxxxxx

Other versions on request !

CEE-Motor protection plugs



Z-MS



CEE plug with motor protection switch Z-MS and PKZM0:

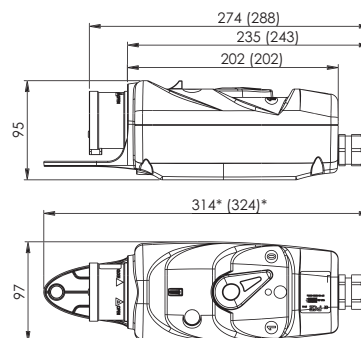
Technical data:

- housing material: PC/ABS
- protection degree IP44
- IK standard acc. EN50102: IK09
- all designs available with or without holder
- large connection area

- dimensions: 16A (32A)
- * dimensions only valid for design with holder



PKZM0



Details of Z-MS and PKZM0:

- reliable means of protection against thermal overloading and short circuiting
- all protection switches feature thermal overload and magnetic short circuit triggering
- short circuit capacity of Z-MS 10kA and PKZM0: 50kA respectively

Rotating field check:

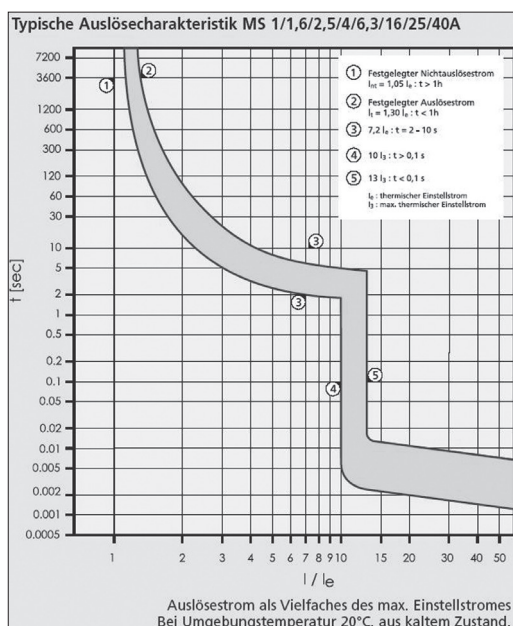
Displays a field rotating in anti-clockwise direction.

Operating display:

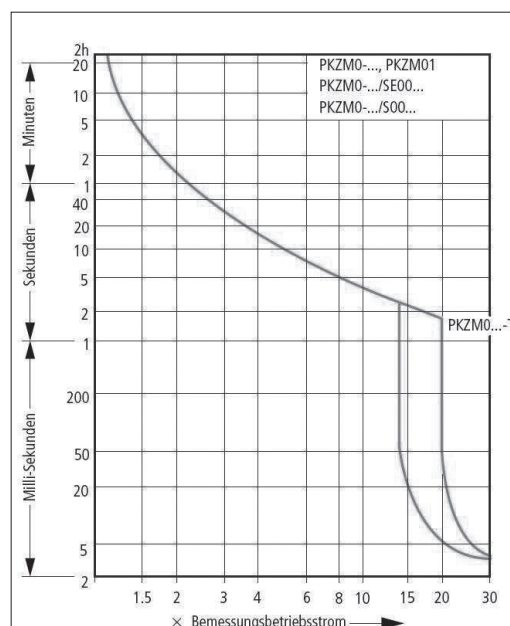
Indicates the voltage supply of two phases of the connector.

- ■ Main field of application: Switching and protection of AC 3-phase motors with outputs of up to 15kW such as industrial motors and those fitted to pumps and circular cold saws etc.

Z-MS Characteristic:



PKZM0 Characteristic:



CEE-Motor protection plugs PKZM0 with rotary lever

CEE-Motor protection plug PKZM0

- cable gland: 16A 4p and 5p M25
32A 4p M25, 32A 5p M32
- 400V~ 50/60Hz 4p+5p=6h
- 500V version on request

IP44 splashproof



setting range	16A / 400V / 6h		32A / 400V / 6h	
	4p	5p	4p	5p
1,0 - 1,6A	54014016	54015016	54024016	54025016
1,6 - 2,5A	54014025	54015025	54024025	54025025
2,5 - 4,0A	54014040	54015040	54024040	54025040
4,0 - 6,3A	54014063	54015063	54024063	54025063
6,3 - 10A	54014100	54015100	54024100	54025100
10 - 16A	54014160	54015160	54024160	54025160
16 - 20A			54024200	54025200
20 - 25A			54024250	54025250
25 - 32A			54024320	54025320
with holder	53xxxxxx	53xxxxxx	53xxxxxx	53xxxxxx

CEE-Motor protection plug PKZM0 with operating display

- with operating display
- cable gland: 16A 4p and 5p M25
32A 4p M25, 32A 5p M32
- 400V~ 50/60Hz 4p+5p=6h
- 500V version on request

IP44 splashproof



setting range	16A / 400V / 6h		32A / 400V / 6h	
	4p	5p	4p	5p
1,0 - 1,6A	540140161	540150161	540240161	540250161
1,6 - 2,5A	540140251	540150251	540240251	540250251
2,5 - 4,0A	540140401	540150401	540240401	540250401
4,0 - 6,3A	540140631	540150631	540240631	540250631
6,3 - 10A	540141001	540151001	540241001	540251001
10 - 16A	540141601	540151601	540241601	540251601
16 - 20A			540242001	540252001
20 - 25A			540242501	540252501
25 - 32A			540243201	540253201
with holder	53xxxxxxxx	53xxxxxxxx	53xxxxxxxx	53xxxxxxxx

CEE-Motor protection plug PKZM0 with phase inverter and rotation field check

- with phase inverter and rotation field check
- cable gland: 16A 4p and 5p M25
32A 4p M25, 32A 5p M32
- 400V~ 50/60Hz 4p+5p=6h
- 500V version on request

IP44 splashproof



setting range	16A / 400V / 6h		32A / 400V / 6h	
	4p	5p	4p	5p
1,0 - 1,6A	547140163	547150163	547240163	547250163
1,6 - 2,5A	547140253	547150253	547240253	547250253
2,5 - 4,0A	547140403	547150403	547240403	547250403
4,0 - 6,3A	547140633	547150633	547240633	547250633
6,3 - 10A	547141003	547151003	547241003	547251003
10 - 16A	547141603	547151603	547241603	547251603
16 - 20A			547242003	547252003
20 - 25A			547242503	547252503
25 - 32A			547243203	547253203
with holder	53xxxxxxxx	53xxxxxxxx	53xxxxxxxx	53xxxxxxxx

Other versions on request!

CEE-Motor protection plugs contactor up to 7,5kW



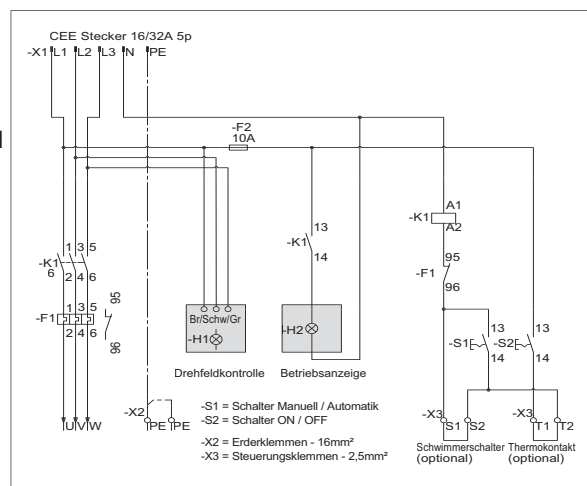
CEE-Motor protection plug contactor up to 5,5kW (16A) and 7,5kW (32A)

Technical data:

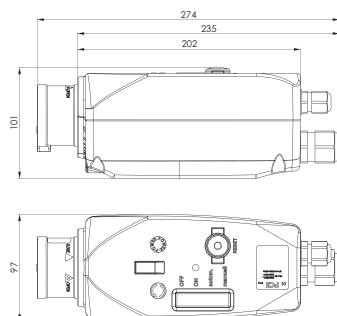
- enclosure material: PC/ABS
- protection degree: IP44
- IK standard acc. to EN50102: IK09
- temperature range: -25° C bis +40°C
- large connection area

Designs:

- with rocker switch ON/OFF and MANUELL/AUTOMATIC for the use of a float switch*
- with phase inverter plug
- rotation field check – anticlockwise phase sequence
- operating display – shows the voltage supply of the contactor and therefore of the consumer load
- external reset switch for the motor protection relay
- cable entry:
 - bottom part: 1x cable gland M25 (ø 13–18mm) at 16A and M32 (ø 13-20mm) at 32A
 - top part: 1x cable gland M16 (ø 5–10mm) for float switch (separate drill hole marking for a further M16 cable gland)



- ■ The CEE motor protection plug up to 7,5 kW provides reliable protection for thermal overloads and short circuits. It is used mainly for switching and the protection of three-phase AC motors up to 7,5 kW (400V) on pumps, circular saws and industrial motors etc...

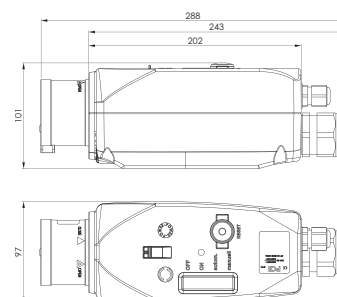


CEE-Motor protection plug with contactor 16A 5p 400V

- with phase inverter plug
- with operation display
- with rotation field check
- cable gland M25 (13–18mm)

IP44 splashproof

setting-range	contactor (AC3)	16A
1,0 - 1,6A	4,0 kW	5571501000
1,6 - 2,4A	4,0 kW	5571501600
2,4 - 4,0A	4,0 kW	5571502400
4,0 - 6,0A	4,0 kW	5571506000
6,0 - 10A	5,5 kW	5571510000
9,0 - 12A	5,5 kW	5571512000
12 - 16A	7,5 kW	5571516000



CEE-Motor protection plug with contactor 32A 5p 400V

- with phase inverter plug
- with operation display
- with rotation field check
- cable gland M32 (13–20mm)

IP44 splashproof

setting-range	contactor (AC3)	32A
6,0 - 10A	7,5 kW	5572510000
9,0 - 12A	7,5 kW	5572512000
12 - 16A	7,5 kW	5572516000

* Float switch see page 201

CEE-Motor protection plugs contactor up to 15 kW

CEE-Motor protection plug contactor up to 15 kW (32A)

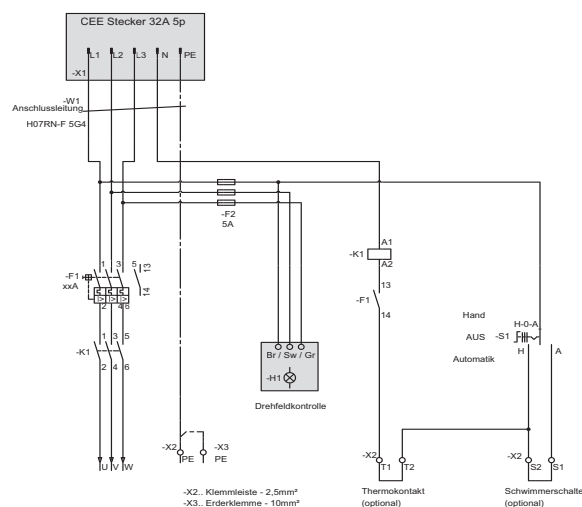
Technical data:

- enclosure material: solid rubber
- protection degree: IP44 (IP66 on request)
- dimensions: HxWxD = 260x165x90mm
- temperature range: -25°C to +40°C
- large connection area

Designs:

- with rotary switch I = hand operation, 0 = Off, II = automatic operation
- 2m cable H07RN-F 5G4 with phase inverter plug 32A 5p 400V
- rotation field check – anticlockwise phase sequence
- reset switch behind transparent window
- float switch on request
- level control system and dipped electrodes on request
- cable entry: 1x cable gland M32 (Ø 13–20mm)
- 2x cable glands M16 (Ø 5–10mm) for float switch and thermo switch
- operation display contactor

- The CEE motor protection plug up to 15kW provides reliable protection for thermal overloads and short circuits. It is used mainly for switching and the protection of three-phase AC motors on pumps, circular saws and industrial motors...



CEE-Motor protection plug glandwith contactor up to 15 kW (32A)

- with rotary switch I-0-II
- with phase inverter plug
- with rotation field check
- cable gland: M32 (13–20mm)
- 2xM16 (5–10mm)



IP44 splashproof

setting-range

16 - 20A

20 - 25A

25 - 32A

contactor

12,5 kW

12,5 kW

15,0 kW

32A

9216211

9216210

9216212

Float switch

Technical data:

- protection degree: IP68
- temperature range: -5°C to +60°C
- switching capacity: max. 400VAC 10(4)A min. 250VAC 10(8)A
- durability: > 50.000 cycles
- beam angle ± 45°
- hysteresis: min. 140mm to max. 400mm

Designs:

- changer (top: brown-grey, bottom: brown-black)
- hot plate welded housing
- elastomer – sealed cable entry
- cable: Nexans H05RN8-F 4G1mm² black (10m or 20m)



with 10m cable
with 20m cable

1023011

1023012



EVENT TECHNOLOGY

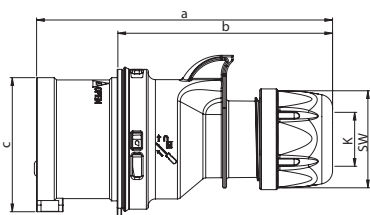
Event technology



	Page	
Plugs	204	
Flanged plugs	204	
Connectors	206	
Flanged sockets	206	
Socket outlet (DIN 49440)	210	
T-Connect	213	
Distribution boxes	214	
Hinged windows	215	



Event technology MIDNIGHT-SERIES

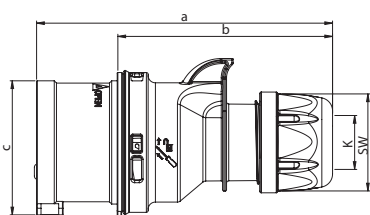


Shark Plug

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	122	128	134	150	150	155
b	86	92	98	104	104	109
c	47	53	61	63	63	70
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	109	128	151	181	201	232

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 015-6xv

IP44 splashproof

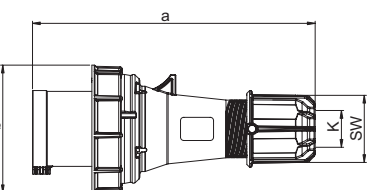


Turbo Shark Plug

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	122	128	134	150	150	155
b	86	92	98	104	104	109
c	47	53	61	63	63	70
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	111	132	156	186	206	241

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 015-6TTxv

IP44 splashproof

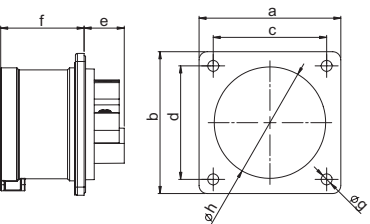


Power Twist Plug

Poles	63 Amp			125 Amp		
	3	4	5	3	4	5
a	257	257	257	270	270	270
b	114	114	114	131	131	131
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36	22,5-50	22,5-50	22,5-50
Connection type:	Contact frame with screws					
Wire flexible [mm²]	6-16			16-50		
Contact screws [Ncm]	200 Ncm			450 Ncm		
SW	61	61	61	81	81	81
Weight [g]	570	617	666	956	1064	1169

- Contact frame with screws (63A) for 125A with hexagon socket screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 9)

IP66/67 watertight

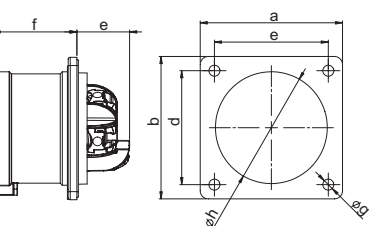


Flanged plug straight

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
Flange						
a x b	70	70	70	70	70	70
Fixing center						
c x d	56	56	56	56	56	56
e	21	21	20	21	21	21
f	42	42	42	51	51	51
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	43	55	55	55	55
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	86	101	118	125	145	165

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6xv
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof



Turbo Twist Flanged plug straight

Poles	16 Amp		32 Amp	
	3	5	4	5
Flange				
a x b	70	70	70	70
Fixing center				
c x d	56	56	56	56
e	26	26	29	29
f	42	42	51	51
g	5,5	5,5	5,5	5,5
h	43	55	55	55
Connection type:	Screwless terminal			
Wire flexible [mm²]	1-2,5		2,5-6	
solid [mm²]	1-4		2,5-10	
Weight [g]	899	122	151	172

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 615-6TTxv
- According to EN 60309: For correct use a locking device has to be provided (see page 32)

IP44 splashproof

230V~

50/60Hz
3p=6h
4p+5p=9h

400V~

50/60Hz
3p=9h
4p+5p=6h

Amp.	Poles	pack. unit
16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

Cat.No.

Cat.No.

013-6x

014-6x
015-6x

023-6x

024-6x
025-6x



023-6x

16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

013-6TTx

014-6TTx
015-6TTx

023-6TTx

024-6TTx
025-6TTx



015-6TTx

63	3	2
63	4	2
63	5	2
125	3	2
125	4	2
125	5	2

033-6xs

034-6xs
035-6xs

043-6xs

044-6xs
045-6xs



035-6xs

with flange 70 x 70 - fixing center 56 x 56

16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

613-6x

614-6x
615-6x

623-6x

624-6x
625-6x



625-6x

with flange 70 x 70 - fixing center 56 x 56

16	3	10
16	5	10
32	4	10
32	5	10

613-6TTx

615-6TTx

624-6TTx

625-6TTx

TURBO
TWIS click



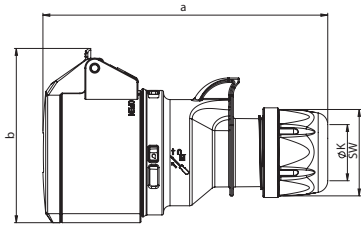
625-6TTx

Minimum order quantity: 50 pcs.



Event technology MIDNIGHT-SERIES

Shark Connector IP44

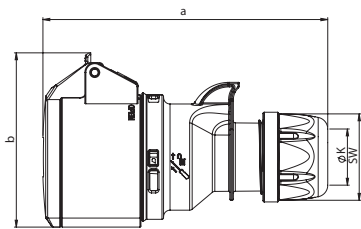


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	133	138	145	161	161	168
b	76	80	89	91	94	100
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	134	161	188	228	244	270

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 215-6xv

IP44 splashproof

Turbo Shark Connector IP44

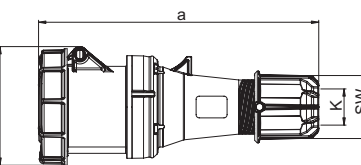


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	133	138	145	161	161	168
b	76	82	89	94	94	100
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	136	161	193	228	243	271

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 215-6TTxv

IP44 splashproof

Power Twist Connector IP66/67

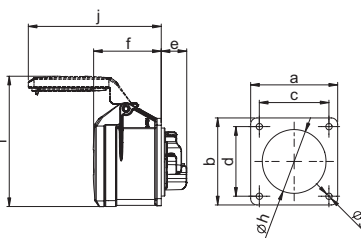


	63 Amp			125 Amp		
Poles	3	4	5	3	4	5
a	269	269	269	287	287	287
b	114	114	114	124	124	124
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36	22,5-50	22,5-50	22,5-50
Connection type:	Contact frame with screws					
Wire flexible [mm²]	6-16			16-50		
Contact screws [Ncm]	200 Ncm			450 Ncm		
SW	61	61	61	81	81	81
Weight [g]	669	710	768	1060	1167	1266

- Contact frame with screws for 125A with hexagon socket screws
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 2335-6xs (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 2336-6xs (see page 10)

IP66/67 watertight

Flanged socket straight IP44



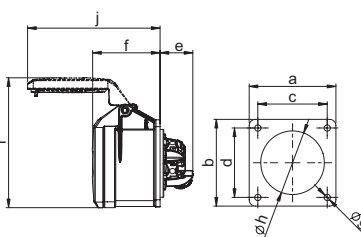
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	21	21	21	23	23	23
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	87	101	105	112	112	108
j	101	101	107	122	122	136
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	115	127	141	162	178	206

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 315-6xv

IP44 splashproof

IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

Turbo Twist Flanged socket straight IP44



	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	27	27	27	27	27	27
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	87	101	105	112	112	108
j	101	101	107	122	122	136
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	117	128	146	161	178	207

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 315-6TTxv

IP44 splashproof

IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof

230V~

 50/60Hz
3p=6h
4p+5p=9h

400V~

 50/60Hz
3p=9h
4p+5p=6h

Amp.	Poles	pack. unit
16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

Cat.No.

Cat.No.

213-6x
214-6x
215-6x
223-6x
224-6x
225-6x


223-6x

16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

213-6TTx
214-6TTx
215-6TTx
223-6TTx
224-6TTx
225-6TTx
**TURBO
SHARK**
click


215-6TTx

63	3	2
63	4	2
63	5	2
125	3	2
125	4	2
125	5	2

233-6xs
234-6xs
235-6xs
243-6xs
244-6xs
245-6xs


235-6xs

with flange 70 x 70 - fixing center 56 x 56

16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

313-6x
314-6x
315-6x
323-6x
324-6x
325-6x


315-6x

with flange 70 x 70 - fixing center 56 x 56

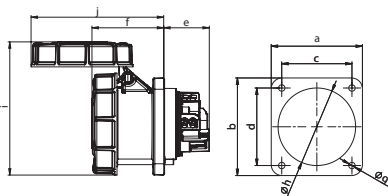
16	3	10
16	4	10
16	5	10
32	3	10
32	4	10
32	5	10

313-6TTx
314-6TTx
315-6TTx
323-6TTx
324-6TTx
325-6TTx
**TURBO
TWIN**
click


313-6TTx

Minimum order quantity: 50 pcs.

Event technology MIDNIGHT-SERIES



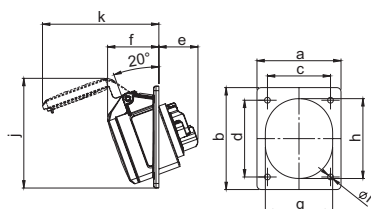
Power Twist

Flanged socket straight 66/67

	63 Amp			125 Amp		
Poles	3	4	5	3	4	5
a	100	100	100	120	120	120
b	100	100	100	100	100	100
c	80	80	80	48	48	48
d	80	80	80	101	101	101
e	50	50	50	8	8	8
f	80	80	80	90	90	90
g	7	7	7	159	159	159
h	85	85	85	179	179	179
i	147	147	147	147	147	147
j	146	146	146	146	146	146
Connection type:	Contact frame with screws					
Wire flexible [mm²]	6-16			16-50		
solid [mm²]	6-25			16-70		
Contact screws [Ncm]	200 Ncm			450 Ncm		
Weight [g]	488	533	587	752	890	986

- Contact frame with screws (63A) for 125A with hexagon socket screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 3335-6xs (see page 10)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 3336-6xs (see page 10)

IP66/67 watertight



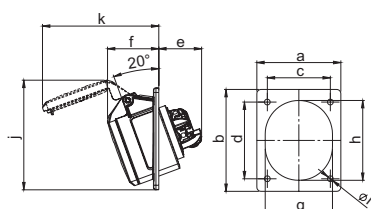
Flanged socket sloping IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	38	38	38	48	48	48
f	47	47	49	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	97	103	105	105	105	99
k	99	104	111	119	119	130
Connection type:	Screw terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	116	132	154	166	182	214

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6xv

IP44 splashproof

IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof



Turbo Twist

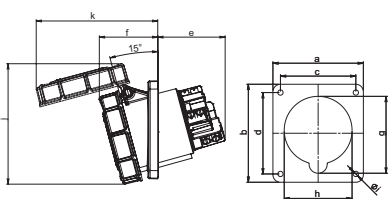
Flanged socket sloping IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	41	41	41	48	48	48
f	47	47	49	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	97	103	105	105	105	99
k	99	104	111	119	119	130
Connection type:	Screwless terminal					
Wire flexible [mm²]	1-2,5			2,5-6		
solid [mm²]	1-4			2,5-10		
Weight [g]	119	133	158	165	182	215

- screwless connection technology
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 415-6TTxv

IP44 splashproof

IP44/54 16/3; 16/5 and 32/5 are splash- and dustproof



Power Twist

Flanged socket sloping IP67

	63 Amp			125 Amp		
Poles	3	4	5	3	4	5
a	100	100	100	120	120	120
b	112	112	112	130	130	130
c	80	80	80	100	100	100
d	88	88	88	108	108	108
e	64	64	64	92	92	92
f	80	80	80	77	77	77
g	92	92	92	102	102	102
h	82	82	82	90	90	90
i	7	7	7	7	7	7
j	148	148	148	160	160	160
k	154	154	154	162	162	162
l	154	154	154	162	162	162
Connection type:	Contact frame with screws					
Wire flexible [mm²]	6-16			16-50		
solid [mm²]	6-25			16-70		
Contact screws [Ncm]	200 Ncm			450 Ncm		
Weight [g]	495	540	595	804	896	995

- Contact frame with screws (63A) for 125A with hexagon socket screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 4335-6xs (see page 9)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 4336-6xs (see page 10)

IP67 watertight

230V~

 50/60Hz
3p=6h
4p+5p=9h

400V~

 50/60Hz
3p=9h
4p+5p=6h

Amp.	Poles	pack. unit	Cat.No.	Cat.No.
with flange 100 x 100 - fixing center 80 x 80				
63	3	2	333-6xs	
63	4	2		334-6xs
63	5	2		335-6xs
with flange 120 x 120 - fixing center 100 x 100				
125	3	2	343-6xs	
125	4	2		344-6xs
125	5	2		345-6xs



335-6xs

with flange 80 x 97 - fixing center 60 x 73				
16	3	10	413-6f8x	
16	4	10		414-6f8x
16	5	10		415-6x
32	3	10	423-6x	
32	4	10		424-6x
32	5	10		425-6x



415-6x

with flange 80 x 97 - fixing center 60 x 73				
16	3	10	413-6TTf8x	
16	4	10		414-6TTf8x
16	5	10		415-6TTx
32	3	10	423-6TTx	
32	4	10		424-6TTx
32	5	10		425-6TTx

**TURBO
TWIST
click**


415-6TTx

with flange 100 x 112 - fixing center 80 x 88				
63	3	2	433-6xs	
63	4	2		434-6xs
63	5	2		435-6xs
with flange 120 x 130 - fixing center 100 x 108				
125	3	2	443-6xs	
125	4	2		444-6xs
125	5	2		445-6xs

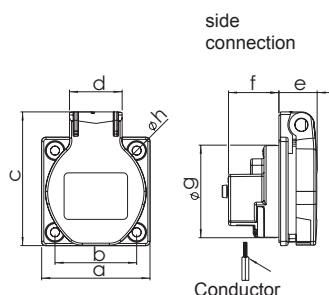


435-6xs



Event technology MIDNIGHT-SERIES

Socket outlet safety Austrian/German system with sealing bulge



	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	22
f	24
g	43
h	4,2
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	45

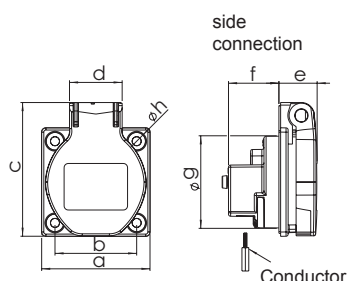
- with sealing bulge
- with screwed contact
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof 

only IPX4 

* Plugs and socket outlets for portable use are subject to the standard DIN VDE 0620-1:2010 and ÖVE/ÖNORM E 8684-2-2:2010

Socket outlet safety Austrian/German system

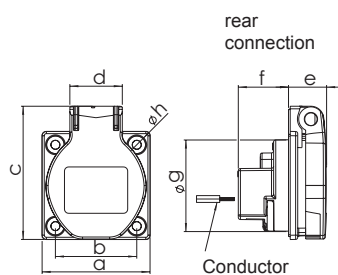


	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	18
f	24
g	43
h	4,2
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	45

- with screwed contact
- housing material: PA6
- contacts: nickel-plated contacts

IP54 splashproof 

Socket outlet safety Belgian/French system

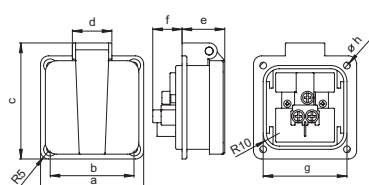


	• STANDARD •
	16 Amp
Poles	2P + E
a	50
b	38
c	62
d	25
e	18
f	24
g	43
h	4,2
Connection type:	Screwed contact
Wire flexible [mm²]	1 - 2x2,5
solid [mm²]	1 - 2x2,5
Contact screws [Ncm]	80
Weight [g]	45

- with screwed contact
- housing material: PA6
- contacts: nickel-plated contacts
- with child protection (shutter)

IP54 splashproof 

Socket outlet safety British system



	13 Amp	13 Amp
Poles	2P + E	2P + E
a	64	50
b	52	38
c	72	54
d	25	25
e	26,5	18
f	18	22
g	52	35
h	4,2	4,5
Connection type:	Screwed contact	
Weight [g]	67	50

- with screwed contact
- housing material: PA6
- side connection

IP54 splashproof 

250V~

50/60Hz

PCE

Amp.	Poles	pack. unit	Abbreviations/Types	Cat.No.
16	3	100	 Flange: 50x50mm, Fixing center: 38x38mm	1050-0ssw
16	3	100	 Flange: 50x50mm, Fixing center: 38x38mm	1050-0ss
16	3	100	 Flange: 50x50mm, Fixing center: 38x38mm	1040-0sc
13	3	100	Flange: 64x64mm, Fixing center: 52x52mm	1020-0s
13	3	100	Flange: 50x50mm, Fixing center: 38x38mm	1020-5s



Event technology MIDNIGHT-SERIES

TAURUS



Solid rubber plug

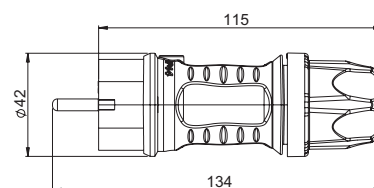
- with screwless cable gland
- dual earthing system
- insert: rubber

IP44 splashproof



05622-ss

pack.unit: 20



TAURUS



Solid rubber connector

Austr./German system

- with screwless cable gland
- with cap
- insert: rubber

IP44 splashproof



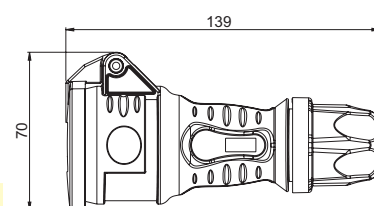
with cap

25621-ss

with hinged lid

25622-ss

pack.unit: 10



TAURUS



Solid rubber connector

Belg./French system

- with screwless cable gland
- with cap
- insert: polyamide

IP44 splashproof



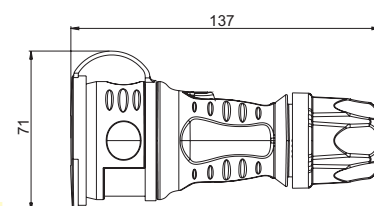
integrated gasket inside

24611-ss

integrated gasket inside and child protection

24611-ssc

pack.unit: 10



3-way connector solid rubber

Austr./German system

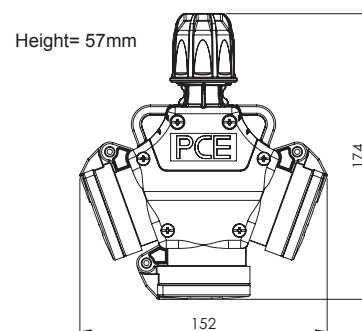
- with hinged lid
- insert: rubber
- with screwless cable gland

IP44 splashproof



253622-sxs

pack.unit: 5



3-way connector rubber

Belgian/French system

- with cap
- insert: polyamide

IP44 splashproof

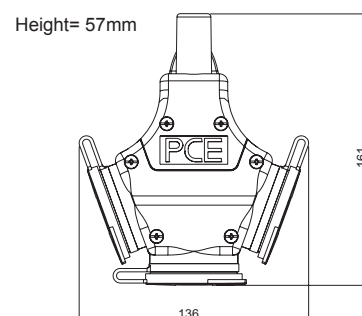


with child protection (shutter)

24311-sxs

24311-sxsc

pack.unit: 5



T-Connect

Equipment:

- 1 CEE-plug 16A 3p 6h
- 1 CEE-socket 16A 3p 6h
- 1 cable entry
(terminal block max. 3x2,5mm²)

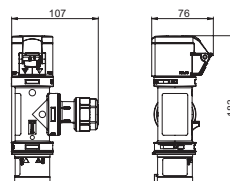
IP44 splashproof



Example

94325000

pack.unit: 10



T-Connect

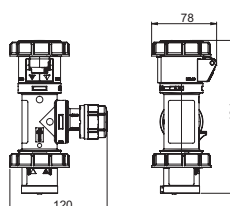
Equipment:

- 1 CEE-plug 16A 3p 6h
- 1 CEE-socket 16A 3p 6h
- 1 cable entry
(terminal block max. 3x2,5mm²)

IP67 watertight

94326000

pack.unit: 10



T-Connect with cable

Equipment:

- 1,5m cable H07RN-F 3G1,5
with CEE-plug 16A 3p 6h
- 1 cable entry
(terminal block max. 3x2,5mm²)
- 1 CEE-socket 16A 3p 6h

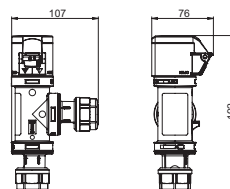
IP44 splashproof

IP44 94325001

IP67 watertight

IP67 94326001

pack.unit: 10



T-Connect

2-way connector with cable entry

Equipment:

- 1 cable entry
(terminal block max. 3x2,5mm²)
- 2 CEE-sockets 16A 3p 6h outlet

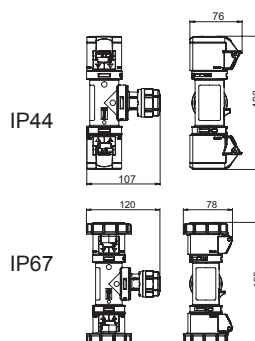
IP44 splashproof

IP44 94325002

IP67 watertight

IP67 94326002

pack.unit: 10



T-Connect

2-way connector with CEE-plug

Equipment:

- 1 CEE-plug 16A 3p 6h
- 2 CEE-sockets 16A 3p 6h outlet

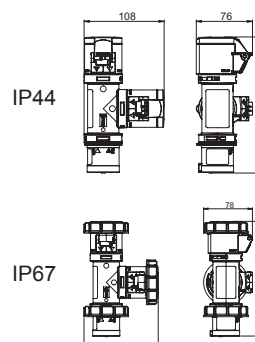
IP44 splashproof

IP44 94325003

IP67 watertight

IP67 94326003

pack.unit: 10



Event technology MIDNIGHT-SERIES



Compact distribution boxes Series St. Anton

- Plugs and sockets are black

IP44 splashproof

Entry:

1 CEE-plug 16A 5p 400V

Outlet:

3 CEE-sockets 16A 5p 400V

9430052

1 CEE-socket 16A 5p 400V

2 safety sockets 16A 250V

9430053

3 CEE-sockets 16A 3p 230V

9430054

Wall distribution boxes series Salzburg

Dimensions: HxW = 370x298mm

- for wall-fastening
- solid rubber enclosure, with protective roof
- window up to max. 14 modules
- bottom of box and cover connected with joint
- ready wired for connection

IP54 dust- and splashproof

Equipment:

1 CEE-socket 32A 5p 400V sw

1 CEE-socket 16A 5p 400V sw

2 safety sockets 16A 250V sw

1xM32 on top, 1xM32 from bottom

Protection:

1 MCB 32A 3p-C

1 MCB 16A 3p-C

2 MCBs 16A 1p-B

1 RCD 63/4/0,03A over all outlets

92271649

Wall distribution boxes series Bruck

Dimensions: HxW = 370x370mm

- for wall-fastening
- solid rubber enclosure, with protective roof
- window up to max. 18 modules
- bottom of box and cover connected with joint
- ready wired for connection

IP54 dust- and splashproof

Equipment:

1 CEE-socket 32A 5p 400V sw

2 CEE-sockets 16A 5p 400V sw

4 safety sockets 16A 250V sw

1xM32 on top, 1xM32 from bottom

Protection:

1 MCB 32A 3p-C

2 MCBs 16A 3p-C

4 MCBs 16A 1p-B

1 RCD 63/4/0,03A over all outlets

92401543

Mobile distribution boxes series Spitz

Dimensions: HxWxD = 320x320x320mm

- portable, handy solid-rubber mobile box - stackable
- lifting hinged cover with 2 quick acting closures
- maximum safety – closed casing bottom with high ground clearance
- ready wired for connection

IP54 dust- and splashproof

Equipment:

2 CEE-sockets 32A 5p 400V sw

2 CEE-sockets 16A 5p 400V sw

4 safety sockets 16A 250V sw

2m cable 5G6 with

CEE-plug 32A 5p 400V sw

Protection:

2 MCBs 16A 3p-C

4 MCBs 16A 1p-B

1 RCD 63/4/0,03A over all outlets

94741367

Mobile distribution boxes series Steyregg

Dimensions: HxWxD = 79x430x129mm

- portable, handy solid-rubber mobile box
- housing with carrying handle
- ready wired for connection

IP54 dust- and splashproof

Equipment:

2 CEE-sockets 16A 5p 400V sw

2 safety sockets 16A 250V sw

2m cable 5G4 with

CEE-plug 32A 5p 400V sw

Protection:

1 MCB 16A 3p-C

2 MCB 16A 1p-C

9441480

Series M-SVE3 63/11-12/V2/2M/A/MS

Dimensions: HxWxD = 340x400x350mm

- shock-resistant, robust and mobile insulated thermoplastic box
- very lightweight and handy
- stackable
- resistant to weather and ageing

IP44 splashproof

Equipment:

- 1 CEE-socket 16A 5p 400V black
- 1 CEE-socket 32A 5p 400V black
- 12 sockets (DIN 49440) 16A 250V black

Connection cable 44 kVA

2m cable 5G10 with
CEE-plug 63A 5p 400V

Protection:

- 1 MCB 16A 3p-C
- 1 MCB 32A 3p-C
- 12 MCBs 16A 1p-C
- 2 RCDs 63/0,03A

853009286



Series M-SVE4 63/1-16/V17/G/E/A/MS

Dimensions: HxWxD = 340x560x350mm

- shock-resistant, robust and mobile insulated thermoplastic box
- very lightweight and handy
- stackable
- resistant to weather and ageing

IP44 splashproof

Equipment:

- 1 CEE-socket 16A 5p 400V black
- 16 sockets (DIN 49440) 16A 250V black

Connection cable 44 kVA

CEE-plug 63A 5p 400V
with cable loop in the entry

Protection:

- 1 MCB 16A 3p-C
- 16 RCD/MCB 16A 1p-C/0,03A
- 1 RCD 40/0,03A

854009285

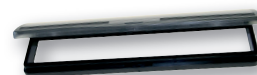


Hinged windows IP54

- especially compact (robust) design, made of shock-resistant polycarbonate
- for distributor's construction, O.E.M's, panel builders etc.
- self-closing window
- size of hinged window suitable for 4, 6, 7, 8, 9, 10, 11, 12, 13, 14 and 18 modules
- angle of vee > 180°
- with integrated gasket for flange mounting
- integrated free position for lead seal
- color frame: black

IP54 splashproof

unit	size	p.unit	Cat.No.
4	92x97mm	30	9006504s
6	128x97mm	20	9006506s
7	139x97mm	15	9006507s
8	164x97mm	15	9006508s
9	181x97mm	10	9006509s
10	199x97mm	10	9006510s
11	217x97mm	10	9006511s
12	235x97mm	10	9006512s
13	253x97mm	10	9006513s
14	271x97mm	10	9006514s
18	343x97mm	10	9006518s



Hinged windows IP67

- especially compact (robust) design, made of shock-resistant polycarbonate
- for distributor's construction, O.E.M's, panel builders etc.
- sprung-loaded window with integrated knurled screws
- size of hinged window suitable for 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 18 modules
- with integrated gasket for flange mounting
- all metal parts corrosion-resistant
- color frame: black

IP67 watertight

unit	Maße	p.unit	Cat.No.
2	49x93mm	40	900602s
4	85x93mm	20	900604s
5	103x93mm	20	900605s
6	121x93mm	15	900606s
7	139x93mm	15	900607s
8	157x93mm	15	900608s
9	175x93mm	15	900609s
10	193x93mm	15	900610s
12	229x93mm	10	900612s
13	247x93mm	10	900613s
18	337x93mm	12	900618s



Distribution boxes



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Distribution boxes for wall mounting

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Mobile distribution boxes

- | | |
|-------------------------------|------------|
| ▪ made of solid rubber | 244 |
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| - special versions – examples | 257 |
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Distribution boxes with suspension hook made of thermo-plastic	274
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Energy pillars PILA[†]	280
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Product Information distribution boxes

PCE supply a variety of high-grade, solid rubber and plastic distributors meeting all specifications and needs in the industrial field as well as those of the construction industry, the crafts, exhibition halls and traffic control equipment.

In addition to a wide range of standard TYPEEs we also specialize in the manufacturing of customized products.

FIELDS OF APPLICATION

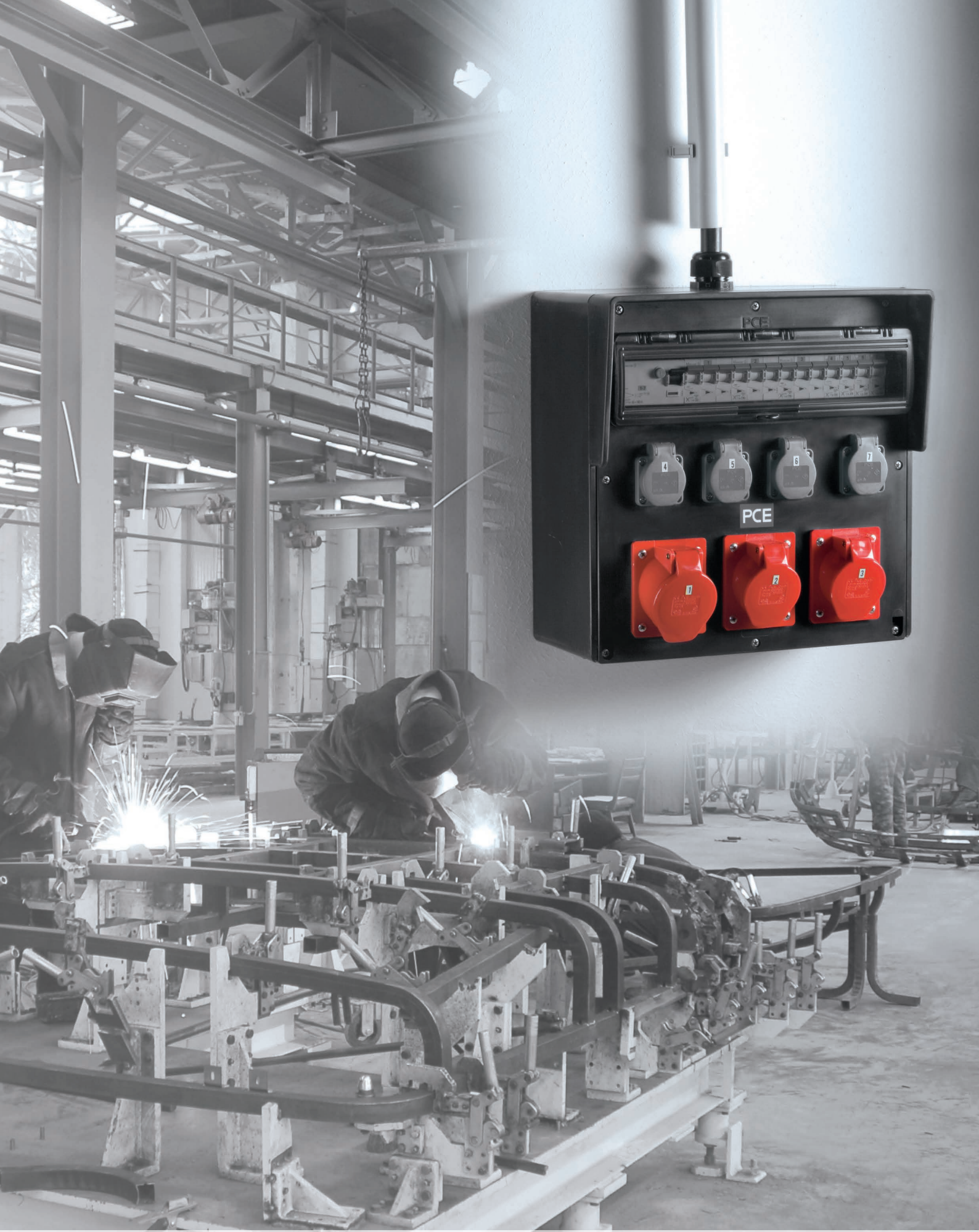
PCE distributors are to be found in use in all areas where high mechanical loads, extreme operating conditions or comprehensive safety requirements demand a special solution such as in workshops, industrial plants, construction sites, tunnels etc.

ACCOMPLISHING YOUR SOLUTION

1. You select a housing.
2. You determine the make-up.
3. If necessary, you specify your particular needs where they deviate from the standard.
4. We draw up the technical solution and submit an offer forthwith.
5. Upon an order being placed, we manufacture the TYPEEs required in line with the regulations applicable to the particular field of use and within the scope of our certified quality management system.
6. final inspection of all devices for mechanical and electrical safety in accordance with currently valid regulations and documentation based on ISO 9001:2000 is our standard.
7. The fact that we are at your disposal for after-sales service and the provision of extensions etc. is a matter of course.

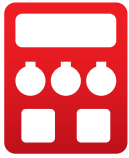
Socket outlet combinations acc. EN 61439 - Example TYPE plate





DISTRIBUTION BOXES – WALL MOUNTING
made of solid rubber or thermoplastic

Solid rubber distribution boxes – wall mounting



Page

Information

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Zams

Dimensions: HxWxD = 527x400x205(154)mm

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Bruck

Dimensions: HxWxD = 370x370x203mm

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Salzburg

Dimensions: HxWxD = 370x298x203mm

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Furt

Dimensions: HxWxD = 350x210x146mm

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Grein

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Traunsee

Dimensions: HxWxD = 260x165x90mm

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Freistadt

Dimensions: HxWxD = 129x129x83mm

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Solid rubber distribution boxes – wall mounting – Information



Solid rubber distribution boxes – wall mounting – Information

SOLID RUBBER HOUSINGS

Our solid rubber distributor housings are made from a mixture of natural rubber, styrene and butadiene (NK/SBR). The raw material is processed – in slab form – at pressures of up to 400 t and at a temperature of 180°C. This triggers a vulcanization process which lends the distributor its final form without affecting its consistency.

FEATURES

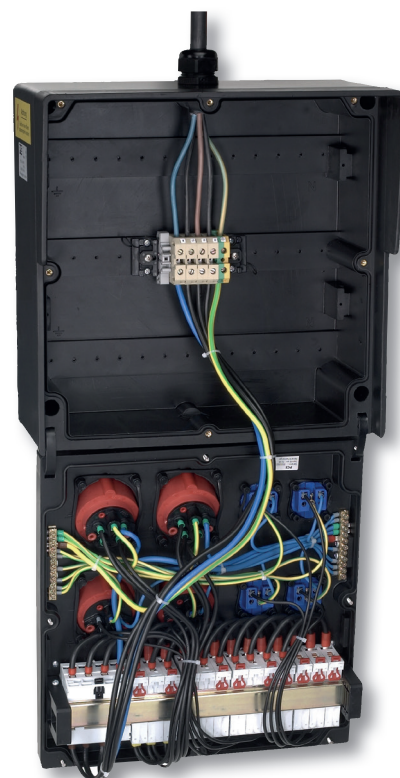
- unbreakable, halogen-free and aging-resistant solid rubber housing
- resistant to a diversity of oils, greases, gasoline and acids
- high mechanical strength, aging and corrosion resistant
- UV and ozone resistant
- insensitive to fountains of welding sparks and similar
- temperature resistant -30°C to + 80°C
- not flammable according to EN 60695-11-5

TYPE OF PROTECTION

Empty housings to IP54 (IP67 on request), in line with the lowest TYPEe of protection on the extension sockets.

STANDARD DESIGN

- TOP assembly – all fastening elements and sockets in the cover. Easy preliminary fitting of the empty lower section to the wall
- Protective isolation through 4-point attachment to the wall outside the wiring compartment – partitioned.
- All exposed metal parts of stainless steel. Captive screws
- Safety device material under impact resistant, opening hinged window (opening angle > 180°)
- Numbered electrical circuits and extension sockets – fast, clear identification
- Distributors wired to terminal (individual connection)
- Cable gland standard: screw connection IP68 top
- CEE sockets i.e. protective contact sockets made of PA6 with nickel plated exchangeable contacts
- MCBs „C“ characteristics
- RCDs 30mA, over all outlets



Solid-rubber distribution boxes – wall mounting

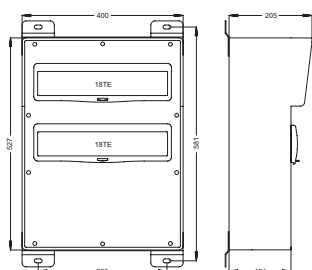
Series ZAMS



Series ZAMS

IP54 T ÖVE

- **Socket outlet combination acc. EN 61439**
- Solid rubber enclosure with protective roof
- **Dimensions HxWxD = 527x400x205**
- Room for larger switchgear and sockets
- Front cover made out of plastics (black)
- Window for up to max. 3x18 modules
- Ready wired for connection
- **IP54** (IP67 on request)



Standard version:

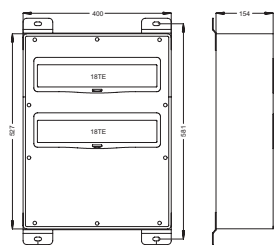
- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Window opening angle >180° (Optional: locking device)
- Ready wired on main connecting terminal for wiring through
- Cable gland IP68 selective on top or bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
	1	1	1	3	1xRCD 63A/4/0.3A (TYPE A 63AT) 1xRCD 63A/4/0.03A (TYPE A 63AT)	2xMCB 63A 3p-C before RCD 1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM50 (ø32-38mm) bottom	InA 100A RDF 0,8	9543001



Series ZAMS (without protective roof)

- **Socket outlet combination acc. EN 61439**
- Solid rubber enclosure with protective roof
- **Dimensions HxWxD = 527x400x154**
- Room for larger switchgear and sockets
- Front cover made out of plastics (black)
- Window for up to max. 3x18 modules
- Ready wired for connection
- **IP54** (IP67 on request)



Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
		32A	16A	16A	RCD	MCB			
			1	10	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 16A 3p-C 5xMCB 16A 1p-C	1xM32 (ø18-25mm) bottom incl. AC meter DIGI and main switch 40A 3p over all outlets	InA 32A RDF 0,6	9544001

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

Solid-rubber distribution boxes – wall mounting Series BRUCK

Series BRUCK

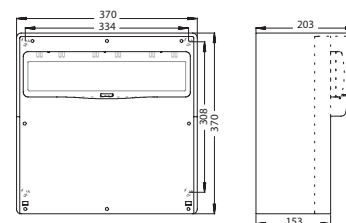


- **Socket outlet combination acc. EN 61439**
- Solid rubber enclosure with protective roof (optional without roof)
- **Dimensions HxWxD = 370x370x203**
- Front cover made out of plastics (black), hinged to housing
- Window for up to max. 18 modules
- Ready wired for connection
- **IP54** (IP67 on request)



Standard version:

- **TOP-mounting** up to 17 modules - all switchgear and sockets mounted on front cover for easy fixation of the housing to the wall.
- **BOTTOM-mounting** up to 18 modules - all switchgear mounted on the housing.
- Protective insulation via 4-way wall fastening outside of wiring space
- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Window opening angle >180° (Optional: locking device)
- Ready wired on main connecting terminal for wiring through (max. 5x25mm² / 5x16mm² YF)
- Cable gland IP68 selective on top or bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable



Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
		1	2	4	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 4xMCB 16A 1p-B	1xM32 (ø18-25mm) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,4	9240539
		2	2	4	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 4xMCB 16A 1p-C	1xM40 (ø22-32mm) top, 1xM40 (blind cap) bottom	InA 63A RDF 0,5	9240862
		2	2	4	1xRCD 63A/4/0.03A (TYPE A 63AT)	2xMCB 32A 3p-C 1xMCB 16A 3p-C 4xMCB 16A 1p-B	1xM32 (ø18-25mm) top, 1xM32 (blind cap) bottom	InA 63A RDF 0,5	9240544
	1	1	1	3	1xRCD 63A/4/0.03A (TYPE A 63AT) for CEE 63A 1xRCD 63A/4/0.03A (TYPE A 63AT) for CEE 32A & 16A	1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM40 (ø22-32mm) top 1xM40 (blind cap) bottom	InA 63A RDF 0,8	92401633
	1	1	1	4	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 2xMCB 16A 1p-C	1xM40 (ø22-32mm) top 1xM40 (blind cap) bottom	InA 63A RDF 0,4	92402427

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

...available on stock!

Solid-rubber distribution boxes – wall mounting

Series SALZBURG



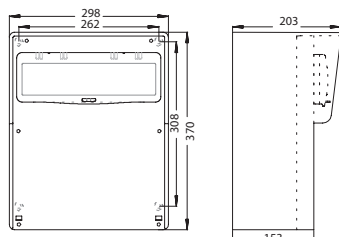
Series SALZBURG



- **Socket outlet combination acc. EN 61439**
- Solid rubber enclosure with protective roof (optional without roof)
- **Dimensions HxWxD = 370x298x203**
- Front cover hinged to housing
- Window for up to max. 14 modules
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- **TOP-mounting** up to 13 modules - all switchgear and sockets mounted on front cover for easy fixation of the housing to the wall.
- **BOTTOM-mounting** up to 14 modules - all switchgear mounted on the housing.
- Protective insulation via 4-way wall fastening outside of wiring space
- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Window opening angle >180° (Optional: locking device)
- Ready wired on main connecting terminal for wiring through (max. 5x25mm² / 5x16mm² YF)
- Cable gland IP68 selective on top or bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable



Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
			2	3	1xRCD 63A/4/0.03A (TYPE A 40AT)	2xMCB 16A 3p-C 3xMCB 16A 1p-B	1xM32 (ø18-25mm) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,7	9227142
		1	1	2		1xNeozed D02 25A 3p 1xNeozed D01 16A 3p 2xNeozed D01 16A 1p	1xM32 (ø18-25mm) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,7	9227509
		1	1	3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-B	1xM32 (ø18-25mm) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,6	92272001
		2		3	1xRCD 63A/4/0.03A (TYPE A 40AT)	2xMCB 32A 3p-C 3xMCB 16A 1p-B	1xM32 (ø18-25mm) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9227354
	1	1	1	2	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM40 (ø22-32mm) top 1xM40 (blind cap) bottom	InA 63A RDF 0,4	9227746

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

...available on stock!

Solid-rubber distribution boxes – wall mounting Series FURT

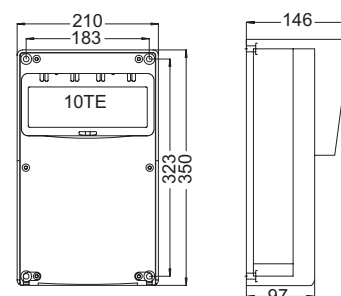
Series FURT

IP54 T  

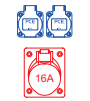
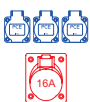
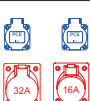
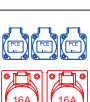
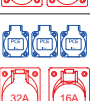
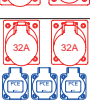
- **Socket outlet combination acc. EN 61439**
- Solid rubber enclosure with protective roof (optional without roof)
- **Dimensions HxWxD = 350x210x146**
- Window up to max. 10 modules
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- Protective insulation via 4-way wall fastening outside of wiring space
- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Window opening angle >180° (Optional: locking device)
- Ready wired on main connecting terminal
- Cable gland IP68 selective on top or bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable



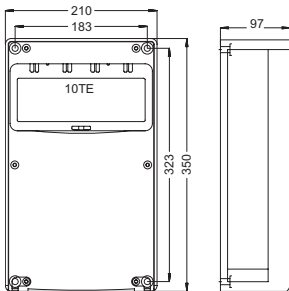
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	VS InA RDF	Cat.No.
	63A	32A	16A		RCD	MCB			
				6	1xRCD 63A/4/0.03A (TYPE A 40AT)	6xMCB 16A 1p-C	1xM25 (ø13-18mm) bottom	InA 32A RDF 0,6	9217019
				9			1xM20 (ø7-14mm) top	VS max.16A	9217005
			1	2	1xRCD 40A/4/0.03A (TYPE A 25AT)	1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM25 (ø13-18mm) bottom	InA 25A RDF 0,7	9217041
			1	3	1xRCD 40A/4/0.03A (TYPE A 25AT)	1xMCB 16A 3p-C 3xMCB 16A 1p-B	1xM25 (ø13-18mm) bottom	InA 25A RDF 0,7	9217102
		1	1	2			1xM25 (ø13-18mm) top 2xM20 (ø7-14mm) top	VS max.16A max.32A	9217090
		1		3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 3xMCB 16A 1p-B	1xM32 (ø18-25mm) bottom	InA 40A RDF 0,7	9217001
		2		3		2xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM25 (ø13-18mm) bottom	InA 32A RDF 0,6	9217035
		1	1	3		1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM32 (ø18-25mm) bottom	InA 40A RDF 0,6	9217055
		2		6			1xM25 (ø13-18mm) top 1xM20 (ø7-14mm) top	VS max.16A max.32A	9217100

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

Solid-rubber distribution boxes – wall mounting

Series GREIN



Series GREIN



- **Socket outlet combination**
- Solid rubber enclosure
- **Dimensions HxWxD = 350x210x97**
- Front cover hinged to housing
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- Protective insulation via 4-way wall fastening outside of wiring space
- All outer metal parts made out of stainless steel, captive screws
- Ready wired on main connecting terminal
- Cable gland IP68 on top
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection		Cat.No.
	63A	32A	16A	16A	RCD	MCB			
		1	1	3			1xM25 (ø13-18mm) top 2xM20 (ø7-14mm) top	VS max. 16A max. 32A	9218090
			4	2			2xM25 (ø13-18mm) top 1xM20 (ø7-14mm) top	VS max. 16A	9218145

VS = backup fuse

Solid-rubber distribution boxes – wall mounting Series TRAUNSEE

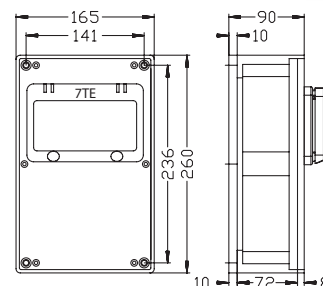
Series TRAUNSEE

IP54 T  ÖVE

- Socket outlet combination acc. EN 61439
- Solid rubber enclosure
- Dimensions HxWxD = 260x165x90
- Ready wired for connection
- IP54 (IP67 on request)

Standard version:

- Protective insulation via 4-way wall fastening outside of wiring space
- All outer metal parts made out of stainless steel, captive screws
- Ready wired on main connecting terminal
- Cable gland IP68 on top
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable



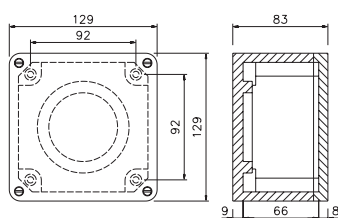
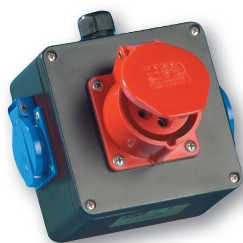
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	VS InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
				3	1xRCD 40A/4/0.03A (TYPE A 40AT)	3xMCB 16A 1p-C	1xM25 (ø13-18mm) top 1xM25 (blind cap) bottom	InA 16A RDF 0,8	9216140
			1	1	1xRCD 40A/4/0.03A (TYPE A 40AT)	1xMCB 16A 3p-C 1xMCB 16A 1p-C	1xM25 (ø13-18mm) top 1xM25 (blind cap) bottom	InA 32A RDF 0,7	9216276
		1		1	1xRCD 40A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 1xMCB 16A 1p-C	1xM32 (ø18-25mm) top 1xM32 (blind cap) bottom	InA 40A RDF 0,7	9216376
				4			1xM20 (ø10-14mm) top 1xM20 (blind cap) bottom	max. 16A	9216027
			1	2			1xM20 (ø10-14mm) top	max. 16A	9216237
				4			2xterminal 3p 10mm² 2xM20 (ø10-14mm) top	max. 16A	9216111
			1	2			1xterminal 5p 10mm² 1xterminal 3p 10mm² 1xM25 (ø13-18mm) top 1xM20 (ø10-14mm) top	max. 16A	9216231
		1		2			1xterminal 5p 10mm² 1xterminal 3p 10mm² 1xM32 (ø18-25mm) top 1xM25 (ø13-18mm) top	max. 16A max. 32A	9216236

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

Solid-rubber distribution boxes – wall mounting

Series FREISTADT



Series FREISTADT



- **Socket outlet combination**
- Solid rubber enclosure
- **Dimensions HxWxD = 129x129x83**
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

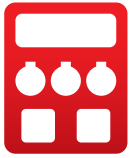
- Protective insulation via 4-way wall fastening
- All outer metal parts made out of stainless steel
- Ready wired on main connecting terminal
- Cable gland IP68 on top
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	VS	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
				2			1xterminal 3p 10mm ² 1xM20 (ø10-14mm) top	max. 16A	9848030
			1	2*			1xterminal 5p 10mm ² 1xM20 (ø7-14mm) top * SS mounted on the side	max. 16A	9848050
							1xEMERGENCY-STOP button 3p (opener) 1xterminal 3p 10mm ² 2xM25 (ø13-18mm) top		9848233

VS = backup fuse

Thermoplastic distribution boxes DELTA[^] wall mounting



Sölden

Dimensions: HxWxD = 520x297x165mm

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Strobl

Dimensions: HxWxD = 520x222x140mm

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Anif7

Dimensions: HxWxD = 320x222x140mm

236



Anif4

Dimensions: HxWxD = 320x222x114mm

238



Murau / Schwaz

Dimensions: HxWxD = 255x204x114mm

239



Lofer7

Dimensions: HxWxD = 255x204x140mm

240



Lofer4

Dimensions: HxWxD = 255x204x114mm

241



Lech

Dimensions: HxWxD = 230x130x130mm

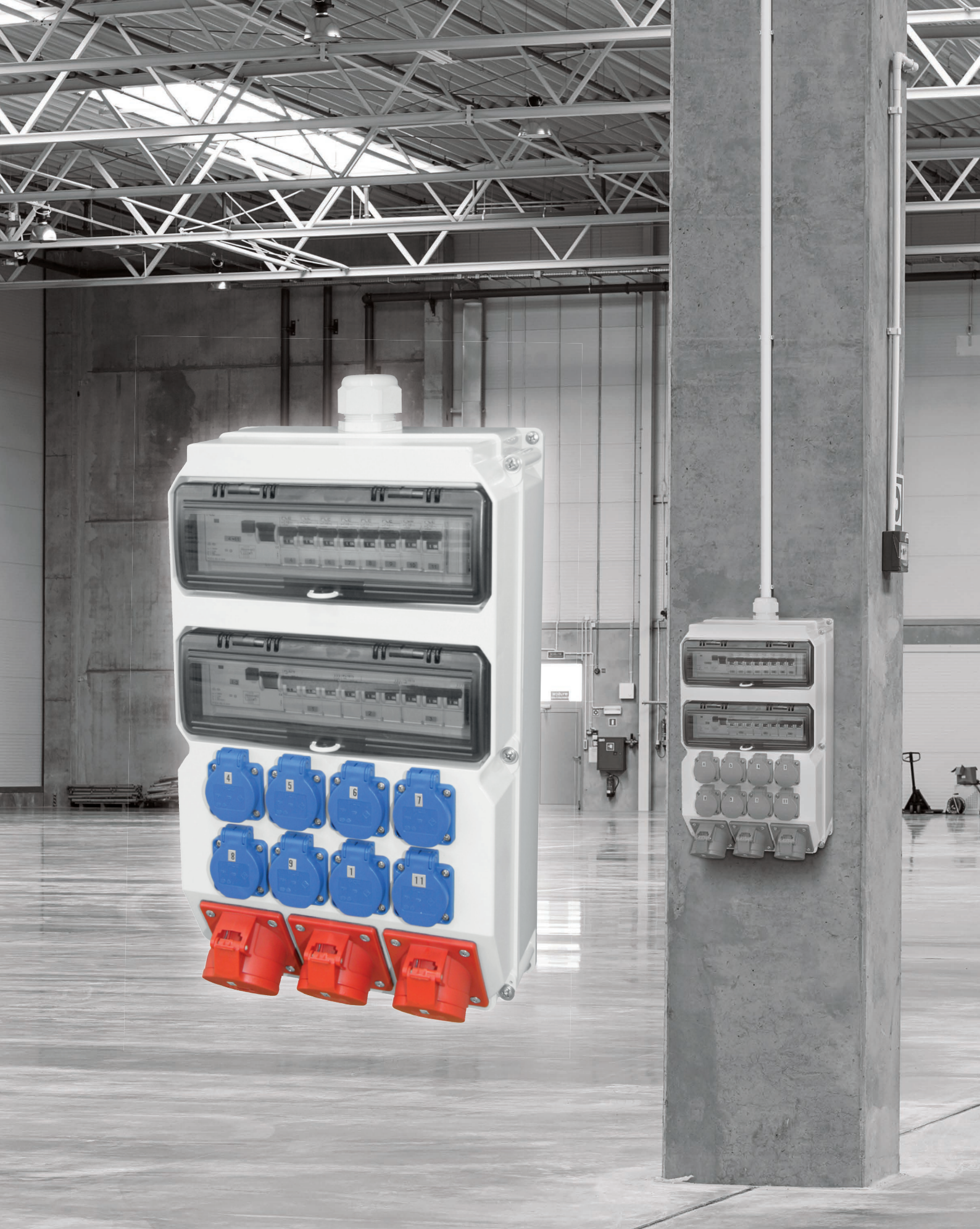
242



DELTA COMBI

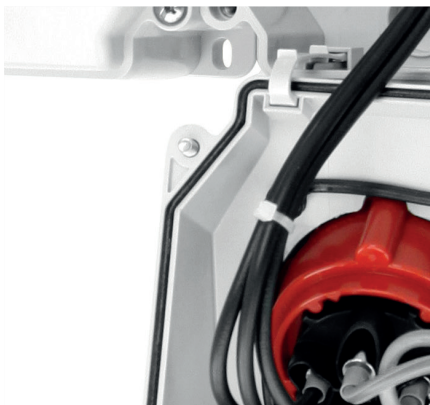
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DISTRIBUTION BOXES wall mounting
DELTA^Δ thermoplastic

DELTA[^] Information



Distribution boxes are suitable for **in- and outdoor areas**. The boxes are available in **different sizes and designs**.

Protection degree: IP54 and IP66/67

The massive and high-quality **enclosure made from PC/ABS** tested and certified according to IEC/EN 62208* provides a wide range of **positive features**. Such as high impact resistance and notched bar impact strength, high thermal stability, dielectric strength, weather, UV and wear resistance, good insulation properties, and resistance against many chemical. The material used is free from cadmium, red phosphor and halogens (fluorine, chlorine, bromine, iodine and astatine).

DELTA series distribution boxes are well suited for all applications. Especially in those areas that depend on high-quality, a robust enclosure and total reliability, such as in industry, trade, workshops, agriculture, household, public buildings, leisure, sport, marinas, camping, etc.

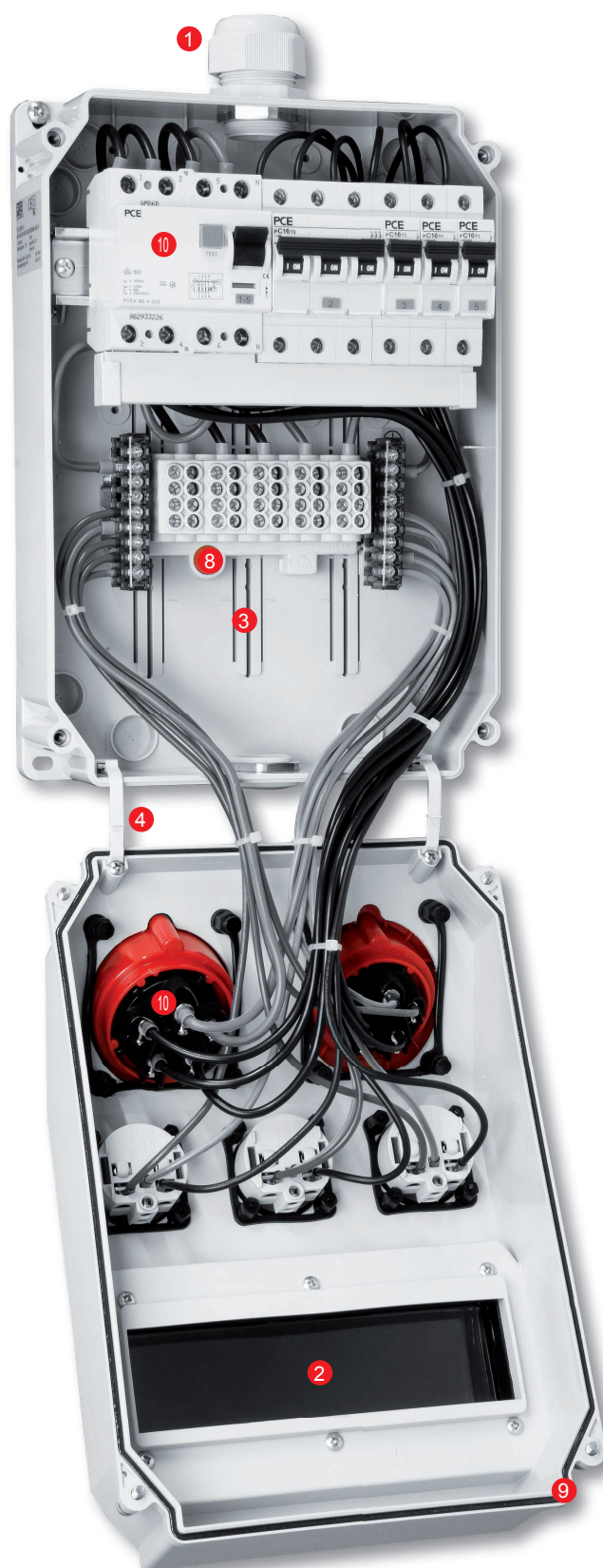
DELTA series products are combinable and can be **arranged in horizontal or vertical** directions. STROBL and ANIF series are especially recommended here. Using this feature, it is possible to achieve individual combination groups of any size with single boxes. In few words, the diversity of variants has almost no limits.

Adjusted to your needs we put together individually tailored and **optimally equipped wall distribution boxes**.

*) IEC/EN 62208 „Empty enclosures for low-voltage switchgear and controlgear assemblies“ for use in switchgear and controlgear assemblies according to standards of the series EN 60439, EN 61439 with a max. rated voltage of 1000V AC, at max. frequencies of 1000Hz or 1500V DC, for general use indoors or for outdoor installation.



DELTA[^] detail



1 Cable entries up to max. M63, preferably from the top or bottom.

2 PCE hinged windows from 2 to 18 modules can be used in IP54 or IP66/67. The transparent protective, upward opening, cover of the window can be locked and sealed.

3 A variable groove shaped rail retention system on the inside floor allows optimum and individual positioning of the fittings, assembly plates, etc.

4 The cover and bottom part of the enclosure is connected by a flexible hinge, available in 2 different lengths.

5 The enclosures can be optimally adapted to each other thanks to the straight housing walls.

6 All external screws are made from stainless steel to resist in especially demanding operating conditions.

7 Wall mounting is possible in- or outside the protective area.

8 Distribution box ready wired on main terminal

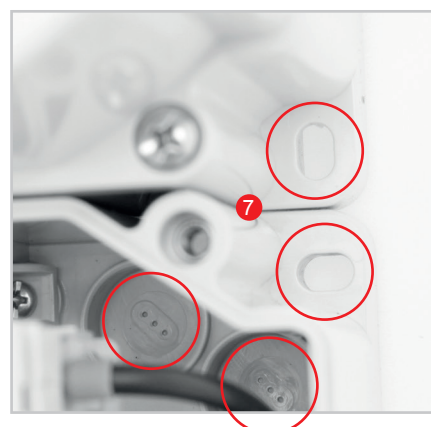
9 Use of high-quality foamed* polyurethane seals.

10 Any TYPEe of switchgears, plug devices, such as CEE sockets 16A 3p to 125A 5p and schuko sockets (Austrian/German, Belgian/French, Danish, British or Swiss standards) can be used for assembling.

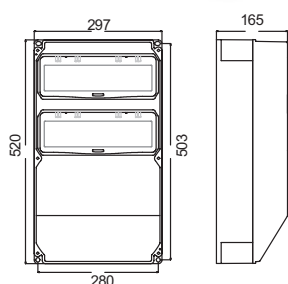
11 Metric thread insert made of brass**.

*) inserted in series Lech

**) with series Lech directly in the plastic



Thermoplastic insulated distribution boxes **DELTA[^]** Series **SÖLDEN**



Series **SÖLDEN**

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 520x297x165 mm**
- Switchgear up to 2x14 modules, behind transparent window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through (max. 5x25mm² / 5x16mm² YF)
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
		1	2	4	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xNeozed D02 32A 3p 2xNeozed D01 16A 3p 4xNeozed D01 16A 1p	1xM40 (hole) top, 1xM40 (blind cap) bottom	InA 40A RDF 0,4	9028662
		1	2	6	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9028738
		1	2	9	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 9xMCB 16A 1p-C	1xM40 (hole) top, 1xM40 (blind cap) bottom	InA 63A RDF 0,5	9028883
		2	2	4	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 4xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9029541
		2	2	2	1xRCD 63A/4/0.03A (TYPE A 63AT)	2xMCB 32A 3p-C 2xMCB 16A 3p-C 2xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 63A RDF 0,5	9028086
	1	1	1	4	1xRCD 63A/4/0.03A (TYPE A 63AT) only for 16A and 32A outputs	1xMCB 32A 3p-C 1xMCB 16A 3p-C 4xMCB 16A 1p-C	1xM40 (hole) top, 1xM40 (blind cap) bottom	InA 63A RDF 0,7	9029070
	1	1	2	3	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM40 (hole) top, 1xM40 (blind cap) bottom	InA 63A RDF 0,4	9029074

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

...available on stock!

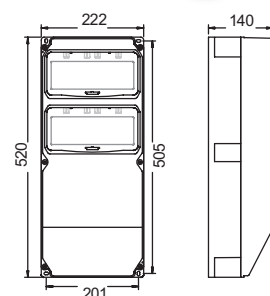
Thermoplastic insulated distribution boxes DELTA[▲] Series STROBL

Series STROBL

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 520x222x140 mm**
- Switchgear up to 2x10 modules, behind transparent window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through (max. 5x25mm² / 5x16mm² YF)
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable



Layout examples: (other combinations on request!)

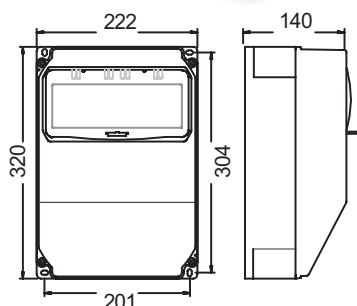
Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
			2	4	1xRCD 40A/4/0.03A (TYPE A 25AT)	2xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 25A RDF 0,5	9025162
		1	1	2	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,6	9025512
		1	1	3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,6	9025575
		1	1	4	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 1xMCB 16A 3p-C 4xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9025521
		1	2	2	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9025612
		1	2	4	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 4xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,4	9025231
		1	2	4	1xRCD 63A/4/0.03A (TYPE A 63AT)	1xMCB 32A 3p-C 2xMCB 16A 3p-C 4xMCB 16A 1p-C	1xM40 (hole) top, 1xM40 (blind cap) bottom	InA 63A RDF 0,5	9025587

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

...available on stock!

Thermoplastic insulated distribution boxes **DELTA[▲]**

Series ANIF7



Series ANIF7

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 320x222x140 mm**
- Switchgear up to 10 modules, behind transparent window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through (max. 5x25mm² / 5x16mm² YF)
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

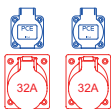
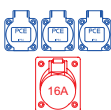
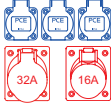
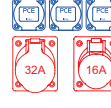
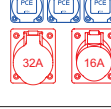
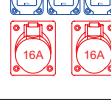
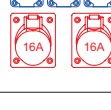
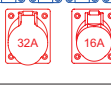
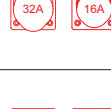
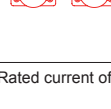
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
			1	2	1xRCD 40A/4/0.03A (TYPE A 25AT)	1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 25A RDF 0,7	9135112
			1	2	1xRCD 40A/4/0.03A (TYPE A 25AT)	1xMCB 16A 3p-C 1xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 25A RDF 0,7	9135114
		1	1	2	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 32A RDF 0,5	9135512
		1	1	2		1xMCB 32A 3p-C 1xMCB 16A 3p-C 2xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,6	9135511
			2	2		2xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 32A RDF 0,6	9135123
		1		3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 3xMCB 16A 1p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,7	9135136

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

Thermoplastic insulated distribution boxes DELTA[▲] Series ANIF7

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
		2		2		2xMCB 32A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9135523
			1	3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM25 cable gland (ø13- 18mm) top 1xM25 (blind cap) bottom	InA 32A RDF 0,7	9135110
		1	1	3		1xMCB 32A 3p-C 1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM32 cable gland (ø18- 25mm) top 1xM32 (blind cap) bottom	InA 40A RDF 0,6	9135551
		1	1	3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM32 cable gland (ø18- 25mm) top 1xM32 (blind cap) bottom	InA 32A RDF 0,5	9135510 
		1	1	3	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 16A 3p-C 3xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 32A RDF 0,5	9135552
			2	3		2xMCB 16A 3p-C 3xMCB 16A 1p-C	1xM25 cable gland (ø13- 18mm) top 1xM25 (blind cap) bottom	InA 32A RDF 0,6	9135151
			2	3		2xMCB 16A 3p-C 3xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,7	9135153
		1	1	4		1xMCB 32A 3p-C 1xMCB 16A 3p-C 4xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9135653
				4	1xRCD 63A/4/0.03A (TYPE A 40AT)	4xNeozed D01 1p	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 32A RDF 0,8	9135014
		1	1			1xMCB 32A 3p-C 1xMCB 16A 3p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,8	9135417
		2				2xMCB 32A 3p-C	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,6	9135421

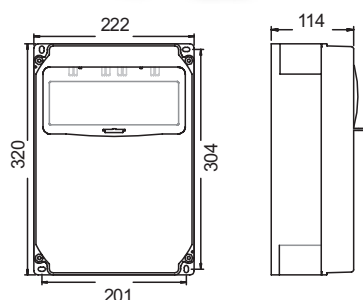
InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

 ...available on stock!



Thermoplastic insulated distribution boxes **DELTA[▲]**

Series ANIF4



Series ANIF4

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 320x222x114 mm**
- Switchgear up to 10 modules, behind transparent window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through (max. 5x25mm² / 5x16mm² YF)
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
			2	4		2xMCB 16A 3p-C 4xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 32A RDF 0,5	9134029
		1	1	4		1xMCB 32A 3p-C 1xMCB 16A 3p-C 4xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 40A RDF 0,5	9134227
		1	1	4	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 32A RDF 0,7	9134520
				16A 3p 4*	4xRCBO 16A 2p C 30mA TYPE A		1xM25 cable gland (ø13-18mm) bottom 4xCEE-sockets 16A 3p 230V lockable with padlock	InA 32A RDF 0,7	9134194

- * Lockable sockets (16A 3p 230V) can be locked with padlock (size 30 or 40mm). Hinged window can also be locked with padlock. Perfectly suited for special occasions! e.g.: camping / marina,...



InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

Thermoplastic insulated distribution boxes DELTA[▲] Series MURAU/SCHWAZ

Series MURAU/SCHWAZ

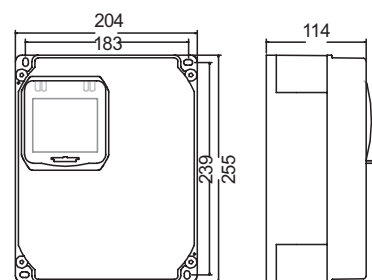
- **Socket outlet combination acc. EN 61439**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 255x204x114 mm**
- MURAU: Switchgear up to 4 modules, behind transparent window
- SCHWAZ: without window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

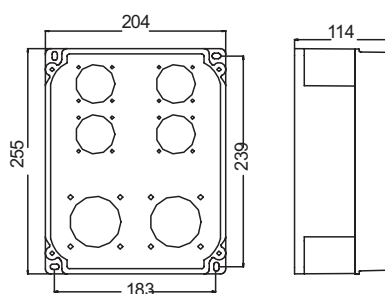


MURAU: 9013329



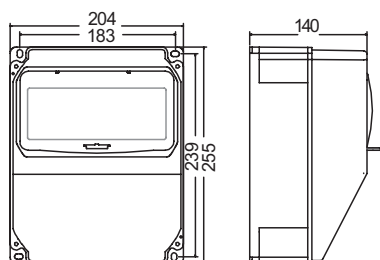
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB (Neozed)			
				5	1xRCD 40A/4/0.03A (TYPE A 25AT)		1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 16A RDF 0,7	9013039
			1	3	1xRCD 40A/4/0.03A (TYPE A 25AT)		1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 16A RDF 0,7	9013031
		1		3	1xRCD 40A/4/0.03A (TYPE A 40AT)	1xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 32A RDF 0,4	9013329
			2	4			1xM20 (cable gland (ø10-14mm) top	VS max.16A	9014120



SCHWAZ: 9014120

Thermoplastic insulated distribution boxes **DELTA[▲]** Series LOFER7



Series LOFER7

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 255x204x140 mm**
- Switchgear up to 9 modules, behind transparent window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			1	2	1xRCD 40A/4/0.03A (TYPE A 25AT)	1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 25A RDF 0,8	9018112
			1	2	1xRCD 40A/4/0.03A (TYPE A 25AT)	1xMCB 16A 3p-C 1xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 25A RDF 0,8	9018114
		1		2	1xRCD 63A/4/0.03A (TYPE A 40AT)	1xMCB 32A 3p-C 2xMCB 16A 1p-B	1xM32 (hole) top, 1xM32 (blind cap) bottom	InA 32A RDF 0,6	9018164
				4	1xRCD 40A/4/0.03A (TYPE A 25AT)	4xMCB 16A 1p-B	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 25A RDF 0,7	9018012
		1	1			1xMCB 16A 3p-C	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 32A RDF 0,8	9018088
			2			2xMCB 16A 3p-C	1xM25 (hole) top, 1xM25 (blind cap) bottom	InA 32A RDF 0,8	9018161

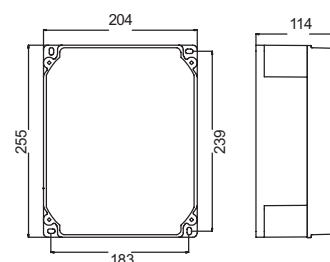
Thermoplastic insulated distribution boxes DELTA[▲] Series LOFER4

Series LOFER4

- **Socket outlet combination**
- Housing made of high durable PC/ABS, compact design
- **Dimensions HxWxD = 255x204x114 mm**
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Ready wired on main connecting terminal for wiring through
- Opening for cable gland on top, blind cap on bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

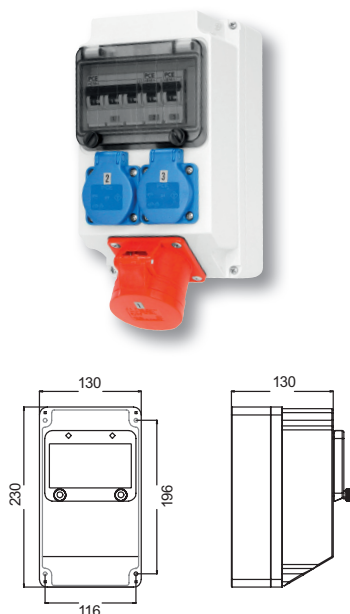


Layout examples: (other combinations on request!)

Layout	CEE 400V 5p				SS 250V		Protection		Connection	VS	Cat.No.
	63A	32A	16A	16A			RCD	MCB			
				6					1xM20 (hole) top, 1xM20 (blind cap) bottom	max. 16A	9017037
				8					2xM20 (cable gland (ø10-14mm) top	max. 16A	9017009
			4						1xM25 (hole) top, 1xM25 (blind cap) bottom	max. 16A	9017101

Thermoplastic insulated distribution boxes **DELTA[▲]**

Series LECH



Series LECH

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable, impact resistant PC
- **Dimensions HxWxD = 230x130x130 mm**
- Switchgear up to 6 modules, behind transparent window
- Ready wired for connection
- **IP54** (IP67 on request)

Standard version:

- All outer metal parts made out of stainless steel, captive screws
- Switchgear built in under impact resistant window
- Ready wired on main connecting terminal for wiring through
- Thread for cable gland 1xM25 on top, 2x break out openings M25 bottom
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			1	1		1xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 16A RDF 0,8	9605105
		1		1		1xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 32A RDF 0,8	9605351
			1	2		1xMCB 16A 3p-C 2xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 32A RDF 0,8	9605153
			1	2		1xMCB 16A 3p-C 2xMCB 16A 1p-C	1xM25 (thread) top, 2xM25 (break out) bottom	InA 32A RDF 0,8	9605159
			1	2		1xNeozed D01 3p 1xNeozed D01 1p	1xM25 (thread) top, 2xM25 (break out) bottom	InA 32A RDF 0,8	9605155
			1	2	1xRCD 40A/4/0.03A (TYPE A 25AT)	2xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 16A RDF 0,8	9605150
		1		2		2xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 32A RDF 0,8	9605056
		1		2	1xRCD 63A/4/0.03A (TYPE A 40AT)	2xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 32A RDF 0,6	9605320
				3	1xRCD 40A/4/0.03A (TYPE A 40AT)	3xMCB 16A 1p-B	1xM25 (thread) top, 2xM25 (break out) bottom	InA 25A RDF 0,8	9605030

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

DELTA[^] COMBI

DELTA COMBI

- **Socket outlet combination acc. EN 61439**
- Housing made of high durable, impact resistant PC
- Ready wired for connection
- **IP54** (IP67 on request)

Due to the compact design the DELTA enclosures can be combined individually and offer an endless possibility of solutions. According to each customer wish, we can offer and deliver within very short lead time a custom based solution.

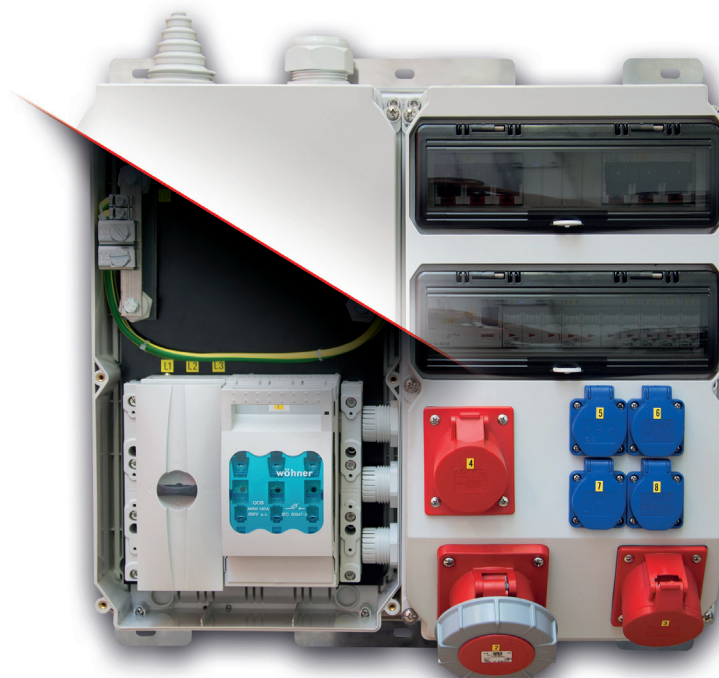
Contact our sales team, we are happy to help you!



Combi with 2xStrobl7
HxWxD = 520x444x140 mm

Layout example: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
	1	1	1	4	1 x RCD 63A/4/0.03A (TYP A 63AT)	1xNH-fused load break switch 00 100A 3p 1XTytan D02 63A 3p 1 x LS 32A 3p-C 1 x LS 16A 3p-C 4 x LS 16A 1p-C	1 x KT3 cable grommet oben (ø14-54mm) 1 x M50 cable gland top (ø32-38mm) Terminal 3p (L1-L3) 35-120mm² Copper bus bar terminal (N&PE) 16-120mm²	InA 200A RDF 0,6	90992198



90992198
Combi with 2xSÖLDEN
HxWxD = 520x594x165



DISTRIBUTION BOXES – MOBILE
made of solid rubber or thermoplastic

Solid rubber distribution boxes – mobile



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Zirl

Dimensions: HxWxD = 527x400x270mm

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Schrems

Dimensions: HxWxD = 285x405x275mm

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Spitz

Dimensions: HxWxD = 320x320x320mm

250



Ried

Dimensions: HxWxD = 280x235x285mm

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Steyregg

Dimensions: HxWxD = 79x430x129mm

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Traunsee

Dimensions: HxWxD = 165x260x90mm

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Distribution boxes with electricity meters

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Distribution boxes special versions, examples

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Universal racks, column stands, protection roof

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Solid rubber distribution boxes – mobile – Information



Solid rubber distribution boxes – mobile – Information

SOLID RUBBER HOUSINGS

Our solid rubber distributor housings are made from a mixture of natural rubber, styrene and butadiene (NK/SBR). The raw material is processed – in slab form – at pressures of up to 400 t and at a temperature of 180°C. This triggers a vulcanization process which lends the distributor its final form without affecting its consistency.

FEATURES

- unbreakable, halogen-free and aging-resistant solid rubber housing
- resistant to a diversity of oils, greases, gasoline and acids
- high mechanical strength, aging and corrosion resistant
- UV and ozone resistant
- insensitive to fountains of welding sparks and similar
- temperature resistant -30°C to + 80°C
- not flammable according to EN 60695-11-5

TYPE OF PROTECTION

IP54 (IP67 on request)

The protection degree of the complete product is defined by the unit with the lowest protection which is mounted.

STANDARD DESIGN

- enclosure with carrying handle made of solid-rubber
- entry: high-flexible rubber cable or plug
- CEE sockets i.e. protective contact sockets made of PA6 with nickel plated exchangeable contacts
- safety device material under impact resistant, opening hinged window (opening angle > 180°)
- all exposed metal parts of stainless steel. Captive screws
- numbered electrical circuits and extension sockets – fast, clear identification
- MCBs „C“ characteristics
- RCDs 30mA, over all outlets
- distributors wired to terminals (individual connection)

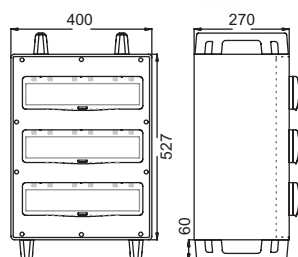


Solid-rubber distribution boxes – mobile

Series ZIRL



9545020



Series ZIRL

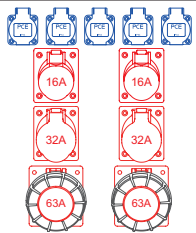
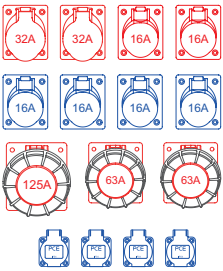
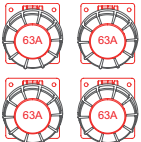
IP54 T  

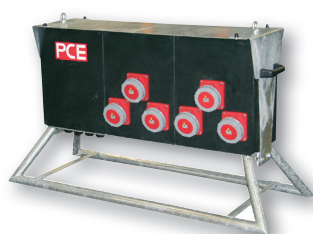
- **Socket outlet combination acc. EN 61439**
- Portable solid rubber distribution box (lid: thermoplastic)
- **Dimensions: HxWxD = 527x400x270 mm**
- Place for large equipment
- Window for up to max. 3x18 modules (54 modules)
- DIN-rail mounted control units, such as MCBs, RCDs, electronic current meter etc. in a robust plastic cover installed on the back
- Ready wired for using
- Housing protection **IP54** (IP67 on request)

Standard version:

- Enclosure with solid rubber carrying handles
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable
- All outer metal parts made out of stainless steel
- Entry connection made out of flexible rubber cable with plug or flanged plug

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p				CEE 230V 3p	SS 250V	Protection / Connection	InA RDF	Cat. No.
	125A	63A	32A	16A	16A	16A			
		2	2	2		5	2xMCB 63A 3p-C (before RCD) 2xMCB 32A 3p-C (before RCD) 2xMCB 16A 3p-C 5xMCB 16A 1p-C 2xRCD 63A/4/0.03A (TYP A 63AT) for CEE 63A 2xRCD 40A/4/0.03A (TYP A 40AT) for CEE 32A 1xRCD 63A/4/0.03A (TYP A 63AT) fused with 1x MCB 63A 3p-C for CEE 16A & SS 2m cable H07RN-F 5G35 with CEE-plug 125A 5p 400V	InA 125A RDF 0,6	9545069
	1	2	2	2	4	4	2xMCB 63A 3p-C 2xMCB 32A 3p-C 2xMCB 16A 3p-C 4xMCB 16A 1p-C 4xMCB 16A 1p-C 2xRCD 63A/4/0.03A (TYP A 63AT) for CEE 63A 1xRCD 63A/4/0.03A (TYP A 63AT) for CEE 32A fused with Tytan D02 63A 3p 1xRCD 63A/4/0.03A (TYP A 63AT) for CEE 16A 1xRCD 63A/4/0.03A (TYP A 63AT) for SS 2m cable H07RN-F 5G35 with CEE-plug 125A 5p 400V	InA 125A RDF 0,6	9545020
		4					4 x Tytan D02 63A 3p 2m cable H07RN-F 5G35 with CEE-plug 125A 5p 400V mounted on zinc coated rack with 2 crane eyes Dimensions: HxWxD = 900x500x600mm	InA 125A RDF 0,4	9545640



9545640

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

Solid-rubber distribution boxes – mobile Series SCHREMS

Series SCHREMS

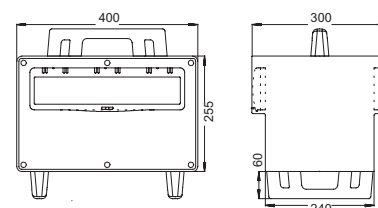
IP54 T  

- **Socket outlet combination acc. EN 61439**
- Portable solid rubber distribution box, stackable
- **Dimensions: HxWxD = 255x400x300mm**
- Place for large equipment
- Window for up to max. 36 modules
- DIN-rail mounted control units, such as MCBs, RCDs, electronic current meter etc. installed on the back
- Ready wired for using
- Housing protection **IP54** (IP67 on request)

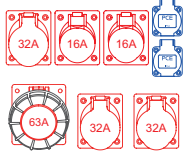
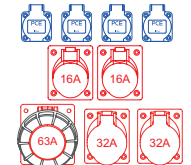
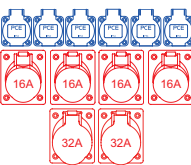
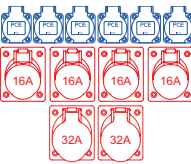
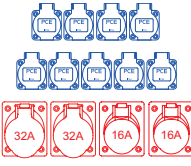
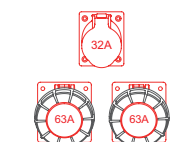


Standard version:

- Enclosure with solid rubber carrying handles
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable
- All outer metal parts made out of stainless steel
- Entry connection made out of flexible rubber cable with plug or flanged plug



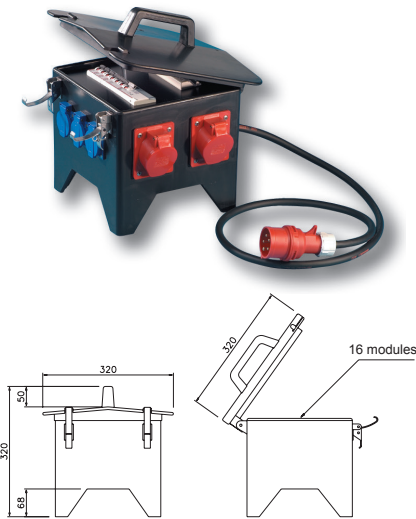
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
	1*	3	2	2	RCD 63A/4/0,03A (TYP A 63AT) for CEE 32A RCD 63A/4/0,03A (TYP A 63AT) for CEE 16A & SS	3 x MCB 32A 3p-C 2 x MCB 16A 3p-C 2 x MCB 16A 1p-C	2m cable H07RN-F 5G16 with CEE-plug 63A 5p 400V * not over RCD	InA 63A RDF 0,5	9504138
	1*	2	2	4	1 x RCD 63A/4/0,03A (TYP A 63AT)	2 x MCB 32A 3p-C 2 x MCB 16A 3p-C 2 x MCB 16A 1p-C	2m cable H07RN-F 5G16 with CEE-plug 63A 5p 400V * not over RCD	InA 63A RDF 0,5	9504124
		2	4	6	1 x RCD 63A/4/0,03A (TYP A 63AT)	1 x MCB 32A 3p-C 2 x MCB 16A 3p-C 3 x MCB 16A 1p-B	2m cable H07RN-F 5G16 with CEE-plug 63A 5p 400V	InA 63A RDF 0,7	9504540
		2	4	6	1 x RCD 63A/4/0,03A (TYP A 63AT)	1 x MCB 32A 3p-C 2 x MCB 16A 3p-C 3 x MCB 16A 1p-C	1 x CEE-flanged plug 63A 5p 400V	InA 63A RDF 0,7	9504020
		2	2	9	1 x RCD 63A/4/0,03A (TYP A 63AT)	2 x MCB 32A 3p-C 2 x MCB 16A 3p-C 9 x MCB 16A 1p-C	2m cable H07RN-F 5G16 with CEE-plug 63A 5p 400V	InA 63A RDF 0,4	9504450
	2	1			2 x RCD 63A/4/0,03A (TYP A 63AT) 1 x RCD 63A/4/0,03A (TYP A 40AT)	2 x MCB 63A 3p-C 1 x MCB 32A 3p-C	2m cable H07RN-F 5G35 with CEE-plug 125A 5p 400V	InA 125A RDF 0,6	9504103

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor

Solid-rubber distribution boxes – mobile

Series SPITZ



Series SPITZ

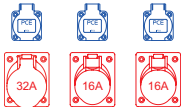
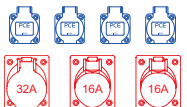
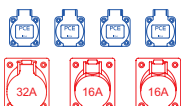
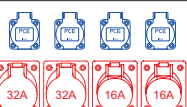
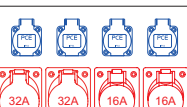
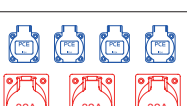
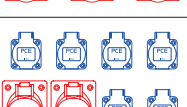
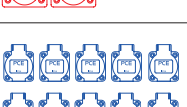
IP54 T  

- **Socket outlet combination acc. EN 61439**
- Portable solid rubber distribution box
- **Dimensions: HxWxD = 320x320x320 mm**
- Lifting hinged top cover with 2 quick acting closures
- Fuses, control devices e.g. MCB, RCD, current indicator, ... under top cover
- Maximum safety - closed casing bottom with high ground clearance, prevention of water intake from bottom
- Sockets protected by overhanging box cover
- Space-saving storage - distributors are stackable

Standard version:

- Enclosure with solid rubber carrying handle
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable
- All outer metal parts made out of stainless steel
- Entry connection made out of flexible rubber cable with plug or flanged plug
- Housing protection **IP54** (IP67 on request)

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
		1	2	3	1 x RCD 63A/4/0,03A (TYP A 63AT)	1 x MCB 32A 3p-C 2 x MCB 16A 3p-C 3 x MCB 16A 1p-C	2m cable H07RN-F 5G16 with CEE-plug 63A 5p 400V	InA 63A RDF 0,7	94741511 
		1	2	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	2 x MCB 16A 3p-C 4 x MCB 16A 1p-B	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,7	9474584
		1	2	4		2 x Neozed D01 16A 3p 2 x Neozed D01 16A 1p	1 x CEE-flanged plug 32A 5p 400V	InA 32A RDF 0,8	9474203
		2	2	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	2 x MCB 16A 3p-C 4 x MCB 16A 1p-B	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,7	9474590
		2	2	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	1 x MCB 16A 3p-C 4 x MCB 16A 1p-C	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,7	94741386 
		3		4	1 x RCD 63A/4/0,03A (TYP A 63AT)	3 x MCB 32A 3p-C 2 x MCB 16A 1p-B	2m cable H07RN-F 5G10 with CEE-plug 63A 5p 400V	InA 63A RDF 0,5	9474320
			2	6	1 x RCD 63A/4/0,03A (TYP A 40AT)	1 x MCB 16A 3p-C 3 x MCB 16A 1p-B	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,8	9474154
				10	1 x RCD 63A/4/0,03A (TYP A 40AT)	10 x MCB 16A 1p-B	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,6	9474144

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

 ...available on stock!

Solid-rubber distribution boxes – mobile Series RIED

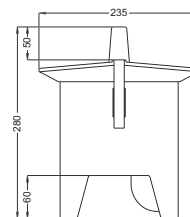
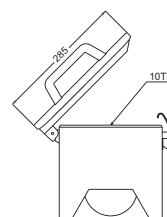
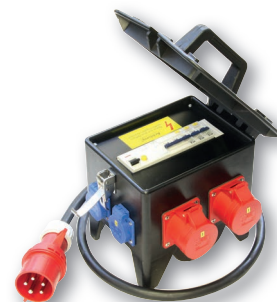
Series RIED

IP54 T  ÖVE

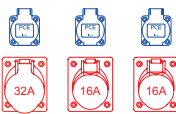
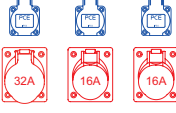
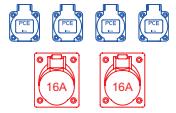
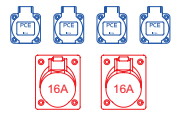
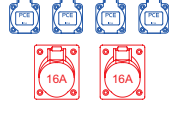
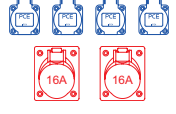
- **Socket outlet combination acc. EN 61439**
- Portable solid rubber distribution box
- **Dimensions: HxWxD = 280x235x285 mm**
- Lifting hinged top cover with 2 quick acting closures
- Fuses, control devices e.g. MCB, RCD, current indicator, ... under top cover
- Maximum safety - closed casing bottom with high ground clearance, prevention of water intake from bottom
- Sockets protected by overhanging box cover
- Space-saving storage - distributors are stackable

Standard version:

- Enclosure with solid rubber carrying handle
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable
- All outer metal parts made out of stainless steel
- Entry connection made out of flexible rubber cable with plug or flanged plug
- Housing protection **IP54** (IP67 on request)



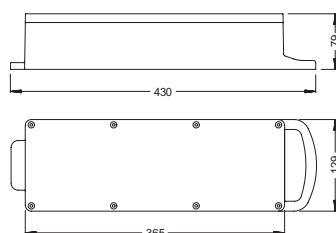
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A		RCD	MCB			
		1	2	3	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 3 x MCB 16A 1p-C	1xCEE-wall mounted plug 32A 5p 400V	InA 32A RDF 0,8	9473377
		1	2	3	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 3 x MCB 16A 1p-C	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,8	9473080
			2	4	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 2 x MCB 16A 1p-C	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,9	9473012
			2	4	1 x RCD 40A/4/0.03A (TYP A 25AT)	2 x MCB 16A 1p-C	2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	InA 16A RDF 0,8	9473070
			2	4	1 x RCD 40A/4/0.03A (TYP A 25AT)	2 x MCB 16A 1p-C	1xCEE-wall mounted plug 16A 5p 400V	InA 16A RDF 0,8	9473071
			2	4	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 2 x MCB 16A 1p-C	1xCEE-wall mounted plug 32A 5p 400V	InA 32A RDF 0,9	9473435
				6		6 x MCB 16A 1p-C	2m cable H07RN-F 5G6 with CEE-plug 32A 5p 400V	InA 32A RDF 0,7	9473487
				8	1 x RCD 40A/4/0.03A (TYP A 25AT)		1xCEE-wall mounted plug 16A 5p 400V	InA 16A RDF 0,7	9473274

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

Solid-rubber distribution boxes – mobile

Series STEYREGG



Series STEYREGG



- **Socket outlet combination acc. EN 61439**
- Portable solid rubber distribution box
- **Dimensions: HxWxD = 79x430x129 mm**
- With or without fuse protection
- Ready wired for use
- Housing protection **IP54**

Standard version:

- Enclosure with solid rubber carrying handle
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable
- Entry connection made out of flexible rubber cable with plug

Layout examples: (other combinations on request!)

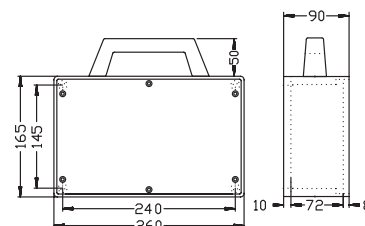
Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			2	2	1 x RCD 40A/4/0.03A (TYP A 25AT)		2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	InA 16A RDF 0,8	9441065
		2		2	1 x RCD 63A/4/0.03A (TYP A 40AT)	2 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	InA 32A RDF 0,8	9441075
			1	3			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9441050
			1	3	1 x RCD 40A/4/0.03A (TYP A 25AT)		2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	InA 16A RDF 0,8	9441051
			2	3			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9441151
				4			2m cable H07RN-F 3G2,5mm2 with solid rubber plug 16A 2p+PE 230V	VS max.16A	9441010
			3				2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9441070

Solid-rubber distribution boxes – mobile Series TRAUNSEE

Series TRAUNSEE



- **Socket outlet combination acc. EN 61439**
- Portable solid rubber distribution box
- **Dimensions: HxWxD = 165x260x90 mm**
- With or without fuse protection
- Ready wired for use
- Housing protection **IP54**



Standard version:

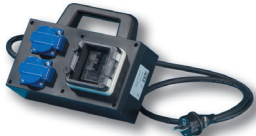
- Enclosure with solid rubber carrying handle
- CEE-sockets and safety sockets made of PA6, contacts nickel plated, sockets individual exchangeable
- Entry connection made out of flexible rubber cable with plug

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A		RCD	MCB			
			1	2			1,5m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9216051
			1	2	1 x RCD 25A/2/0.03A (TYP A 25AT) only over safety sockets		1,5m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	InA 16A RDF 0,9	9216052
				3	1 x RCD 25A/2/0.03A (TYP A 25AT)		1,5m cable H07RN-F 3G2,5 with solid rubber plug 16A 2p+PE 230V	InA 16A	9216066
				4			1,5m cable H07RN-F 3G2,5 with solid rubber plug 16A 2p+PE 230V	VS max.16A	9216011

Solid-rubber distribution boxes – mobile with electricity meters

Layout examples: (other combinations on request!)

Symbol / Series	CEE 400V 5p		SS 250V	Version / Equipment	Cat.No.
	32A	16A	16A		
 TRAUNSEE			2	Mobil distribution box - solid rubber - series TRAUNSEE IP54 5m cable 3G1,5 with safety plug 16A 250V 2 x safety sockets 16A 250V 1 x RCBO 16A 2p C 30mA TYP A 1 x electronic kWh AC meter DIGI 32A 230V 1p	9216150
			4	Mobil distribution box - solid rubber - series SPITZ IP54 with locking unit 2m cable 3G2,5 with safety plug 16A 250V 4 x MCB 16A 1p-B 1 x RCD 25A/2/0.03A (TYP A 25AT) 1 x electronic kWh AC meter 230V	9474162
 SPITZ		1	4	Mobil distribution box - solid rubber - series SPITZ IP54 with locking unit 2m cable 5G2,5 with CEE-plug 16A 5p 400V 4 x MCB 16A 1p-B 1 x RCD 40A/4/0.03A (TYP A 25AT) 1 x electronic kWh AC meter 3x230/400V	9474164
		2	4	Mobil distribution box - solid rubber - series SPITZ IP54 with locking unit 2m cable 5G2,5 with CEE-plug 16A 5p 400V 1 x MCB 16A 3p-C 2 x MCB 16A 1p-B 1 x RCD 40A/4/0.03A (TYP A 25AT) 1 x electronic kWh AC meter 3x230/400V	9474166
	1	2	3	Mobil distribution box - solid rubber - series SPITZ IP54 with locking unit 2m cable 5G6 with CEE-plug 32A 5p 400V 1 x MCB 16A 3p-C 3 x MCB 16A 1p-B 1 x RCD 63A/4/0.03A (TYP A 40AT) 1 x electronic kWh AC meter 65A 400V 3p	9474540
		3	4	Mobil distribution box - solid rubber - series SPITZ IP54 with locking unit 2m cable 5G2,5 with CEE-plug 16A 5p 400V 4 x MCB 16A 1p-B 1 x RCD 40A/4/0.03A (TYP A 25AT) 1 x electronic kWh AC meter 65A 400V 3p	9474176
 SCHREMS	1	2	6	Mobil distribution box - solid rubber - series SCHREMS IP54 CEE-flanged plug 32A 5p 400V 1 x MCB 16A 3p-C 3 x MCB 16A 1p-B 1 x RCD 63A/4/0.03A (TYP A 40AT) 1 x electronic kWh AC meter 65A 400V 3p	9504524
	1	2	6	Mobil distribution box - solid rubber - series SCHREMS IP54 2m cable 5G6 with CEE-plug 32A 5p 400V 1 x MCB 16A 3p-C 3 x MCB 16A 1p-B 1 x RCD 63A/4/0.03A (TYP A 40AT) 1 x electronic kWh AC meter 65A 400V 3p	9504528

Solid-rubber distribution boxes - mobile with isolation transformer with galvanic isolation 230/230V~ according to EN61558-2-4 (VDE 0570 part 2-4)

Layout examples: (other combinations on request!)

Symbol / Series	CEE 400V 5p		SSD 250V	Version / Equipment	Cat.No.
	32A	16A	16A		
			1	Series TRAUNSEE Isolation transformer 500VA 230/230V~ Entry: 3m cable 2 x 1,5 with safety plug 16A 250V~ Outlet: 1 safety socket 16A 250V~	9216453
			1	Series SPITZ Isolation transformer 1000VA 230/230V~ Entry: 3m cable 2 x 1,5 with safety plug 16A 250V~ Outlet: 1 safety socket 16A 250V~	9474410
			1	Series SCHREMS Isolation transformer 2500VA 230/230V~ Entry: 3m cable 2 x 2,5 with safety plug 16A 250V~ Outlet: 1 safety socket 16A 250V~	9502619

Mobile distribution box with isolation transformer Series ZIRL

- Mounted on special transport cart zinc coated
- 10m cable 5G6 with CEE-plug 32A 5p 400V
- 1 isolation transformer 14,72 kVA **primary 3p 400V**, secondary 4x230V 2p over separate coils
- 4 safety sockets 16A 230V galvanisc separated and fused by MCB 16A 2p-C
- Transformer protected by power switch 18-25A
- Control circuit and cooling fan protected by sepearate transformer with Neozed fuse
- Transformers protected agains over temperature
- Under voltage protection
- Inlet air on the bottom and outlet air on the side protected with rubber grids



Example



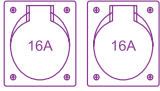
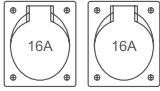
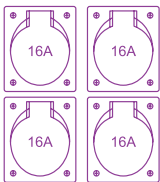
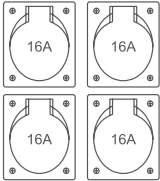
Solid-rubber distribution boxes – mobile

with safety transformers with secondary-side extra low voltage 230/24V~
or 230/42V~ according to EN61558-2-6 (VDE 0570 part 2-6)

Safety at the workplace

Safety transformers are often absolutely necessary to protect human health. Special electric products, which provide maximum protection for the user, are required at many workstations.

Bestückungsbeispiele: (Weitere Kombinationen auf Anfrage!)

Layout	CEE 16A 2p		Performance / Equipment	Cat.No.
	24V~	42V~		
	1		Series TRAUNSEE Safety transformer 120VA 230/24V~ Entry: 3m cable 2 x 1,5 with contour plug 16A 250V~ Outlet: 1 CEE-socket 16A 2p 24V~	9216423
		1	Series TRAUNSEE Safety transformer 120VA 230/42V~ Entry: 3m cable 2 x 1,5 with contour plug 16A 250V~ Outlet: 1 CEE-sockets 16A 2p 42V~	9216440
	2		Series TRAUNSEE Safety transformer 500VA 230/24V~ Entry: 3m cable 2 x 1,5 with contour plug 16A 250V~ Outlet: 2 CEE-sockets 16A 2p 24V~	9216452
		2	Series TRAUNSEE Safety transformer 500VA 230/42V~ Entry: 3m cable 2 x 1,5 with contour plug 16A 250V~ Outlet: 2 CEE-sockets 16A 2p 42V~	9216451
	4		Series RIED Safety transformer 500VA 230/24V~ Entry: 3m cable 2G1,5 with contour plug 16A 250V~ Outlet: 4 CEE-sockets 16A 2p 24V~	9473400
		4	Series RIED Safety transformer 500VA 230/42V~ Entry: 3m cable 2G1,5 with contour plug 16A 250V~ Outlet: 4 CEE-sockets 16A 2p 42V~	9473401

Special versions – examples

Solid-rubber distribution boxes – mobile

Solid rubber 2-way distributor combination Series BRUCK

with 2 crane eyelets size M12 mounted on a galvanized sub-frame

HxWxD = 700x370x450mm

Equipment:

4 CEE-sockets 63A 5p 400V

2 MCBs 63A 3p-C

2 RCD 63/4/0,03A

2m cable 5G35 with CEE-plug 125A 5p 400V



Solid rubber distribution box Series ZIRL

with two handles, on a steel sub-frame, galvanized in black, stackable, locked using a padlock on Neozed window

HxWxD = 650x520x270mm

Equipment:

4 electronic kWh three-phase meters 3 x 230/400V AC

4 CEE-sockets 32A 5p 400V-distributor bottom

4 Neozed 32A 3p

1 RCD 40/4/0,03A

3 sockets (DIN 49440)

3 MCBs 16A 1p-C

1 RCD 40/4/0,03A

4m cable 5G16 with CEE-plug 63A 5p 400V



Solid rubber 2-way distributor combination Series COMBI of 2 ZIRL

with 2 crane eyelets size M12 mounted on a galvanized sub-frame

HxWxD = 700x1100x600mm

Equipment:

2 CEE-sockets 63A 5p 400V

6 CEE-sockets 32A 5p 400V

2 CEE-sockets 16A 5p 400V

6 sockets (DIN 49440) 16A 240V

2 MCB 63A 3p-C

6 MCBs 32A 3p-C

2 MCBs 16A 3p-C

6 MCB 16A 1p-C

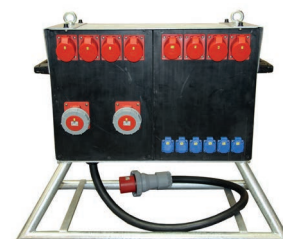
2 RCDs 63/4/0,3A on CEE-socket 63A

3 RCDs 63/4/0,03A on CEE-sockets 32A

1 RCDs 40/4/0,03A on CEE-sockets 16A

1 RCD 40/4/0,03A on socket (DIN 49440)

2m cable with CEE-plug 63A 5p 400V



Special versions – examples

Solid-rubber distribution boxes – mobile



Solid rubber distribution box

Series ZIRL with two separate circuits

on transport trolley made of angel irons, galvanized, with 2 guide rollers and 2 fixed rollers, solid rubber tyres

HxWxD = 610x520x270mm

Equipment:

4 CEE-sockets 63A 5p 400V

4 switch-disconnectors 63A 3p-C acting as back-up fuse

4 RCDs 63/4/0,03A

2 CEE-plug 125A 5p 400V



Solid rubber 2-way distributor combination

Series COMBI of 2 ZIRL

on transport trolley made of angel irons, galvanized, with 2 guide rollers and 2 fixed rollers, solid rubber tyres

HxWxD = 610x800x270mm

Equipment:

3 control lamps to monitor the input

2 CEE-sockets 63A 5p 400V

3 CEE-sockets 32A 5p 400V

6 CEE-sockets 16A 5p 400V

9 sockets (DIN 49440) 16A 240V

2 MCBs 63A 3p-C

3 MCBs 32A 3p-C

6 MCBs 16A 3p-C

9 MCBs 16A 1p-C

2 RCDs 63/4/0,1A on CEE-sockets 63A

1 RCD 63/4/0,03A on CEE-sockets 32A

1 RCD 63/4/0,03A on CEE-sockets 16A

1 RCD 40/4/0,03A back-up fuse in the form of a RCD earthed contact socket

1 CEE-plug 125A 5p 400V

Revision cart IP54

Series KOMBI with 4 ZIRL

on transport trolley made of angel irons, galvanized, with 2 guide rollers and 2 fixed rollers, solid rubber tyres

HxWxD = 990x1100x720mm

Equipment:

1 CEE-socket 125A 5p 400V

2 CEE-sockets 63A 5p 400V

2 CEE-sockets 32A 5p 400V

2 CEE-sockets 16A 5p 400V

6 sockets (DIN 49440) 16A 240V

1 power switch 125A with RCD

2 Minized 63A 3p

2 LS 32A 3p-C

2 LS 16A 3p-C

6 LS16A 1p-C

2 Fi 63/4/0,03A on CEE-Dosen 63A

1 Fi 63/4/0,03A on CEE-Dosen 32A

1 Fi 63/4/0,03A on CEE-Dosen 16A

2 Fi 40/4/0,03A back-up fuse in the form of a RCD earthed contact socket

1 Multimeter

5 Powerlock 400A



Universal racks and power column stands

Universal rack

- solid welded frame, with ergonomic handle
- hinged reel
- mounting holes predrilled for individual distribution boxes for self-installation
- prepared for different sizes of distribution boxes series ANIF, FURT, LOFER, SALZBURG, GREIN, MURAU and SCHWAZ

598053



Column stand 1200mm

- made of hot-galvanized sheet steel with base mounting plate
- square column 80x80mm, base plate 400x400mm (construction in stainless steel on request)
- prepared for distribution box series SALZBURG
- **WxHxD = 400x1206x243mm**
- prepared for distribution box series BRUCK
- **WxHxD = 500x1206x243mm**

410726



410725

Protective roof stainless steel

- Protective roof series ZAMS
- for distribution boxes series ZAMS **only with wall holders**
- WxHxD = 412x587x250mm
- Version in 2mm stainless steel V2A quality

40799001



- Protective roof series SALZBURG
- for distribution boxes series SALZBURG **only with wall holders**
- WxHxD = 318x422x250mm
- Version in 2mm stainless steel V2A quality

40799002

Power column stand Typ 340

- made of stainless steel sheet metal with base mounting plate
- **HxWxD = 1100x340x260mm**
- for distribution boxes up to WxH = 320x520mm
- finished in stainless sheet steel, powder-coated in RAL 2011 (orange) on request

410998



Thermoplastic distribution boxes – mobile



Page

Information

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Anif4

Dimensions: HxWxD = 320x222x114mm

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Murau

Dimensions: HxWxD = 255x204x114mm

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Schwaz

Dimensions: HxWxD = 255x204x114mm

262



Lofer4

Dimensions: HxWxD = 255x204x114mm

262

Horn

Dimensions: HxWxD = 263x246x75mm

263



Imst

Dimensions: HxWxD = 200x197x197mm

264



Pegasus

Dimensions: HxWxD = 230x140x140mm

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St. Anton

Compact distribution boxes

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T-Box

270

M-Box

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Thermoplastic distribution boxes – mobile – Information

Mobile thermoplastic distribution boxes are suitable for **in- and outdoor areas**. The boxes are available in **different sizes and designs**.

Protection degree: IP44, IP54 and IP66/67

The massive and high-quality **enclosure made from PC/ABS** tested and certified according to IEC/EN 62208* provides a wide range of **positive features**. Such as high impact resistance and notched bar impact strength, high thermal stability, dielectric strength, weather, UV and wear resistance, good insulation properties, and resistance against many chemicals. The material used is free from cadmium, red phosphor and halogens (fluorine, chlorine, bromine, iodine and astatine).

Mobile thermoplastic distribution boxes are well suited for all applications. Especially in those areas that depend on high-quality, a robust enclosure and total reliability, such as in industry, trade, workshops, agriculture, household, public buildings, leisure, sport, marinas, camping, etc.

Adjusted to your needs we put together individually tailored and **optimally equipped wall distribution boxes**.



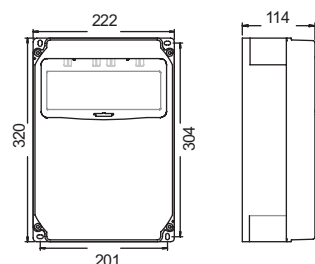
Thermoplastic insulated distribution boxes – mobile

Series ANIF4 / MURAU / SCHWAZ / LOFER4



Series ANIF4

- Socket outlet combination acc. EN 61439
- Compact design
- Material: PC/ABS
- **Dimensions: HxWxD = 320x222x114 mm**
- 10 modules
- Ready wired for connection
- **IP54** splashproof
- for assembly plants, electricians, ...



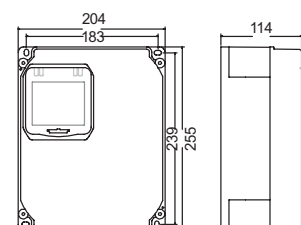
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			2	4		2 x MCB 16A 3p-C 4 x MCB 16A 1p-B	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V Portable frame	InA 32A RDF 0,7	9134124
		1	1	4		1 x MCB 16A 3p-C 4 x MCB 16A 1p-B	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V Carrying handle	InA 32A RDF 0,7	9134532
		1	1	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	1 x MCB 16A 3p-C 2 x MCB 16A 1p-B	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V Carrying handle	InA 32A RDF 0,8	9134518



Series MURAU/SCHWAZ/LOFER4

- Socket outlet combination acc. EN 61439
- Compact design
- Material: PC/ABS
- **Dimensions: HxWxD = 255x204x114 mm**
- 4 modules (MURAU)
- without window (SCHWAZ/LOFER4)
- Ready wired for connection
- **IP54** splashproof
- for assembly plants, electricians, ...



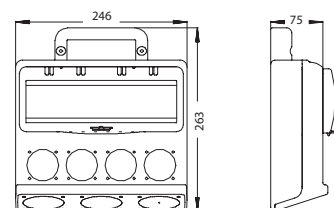
Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			1	3	1 x RCD 40A/4/0,03A (TYP A 25AT)		2m cable H07RN-F 5G1,5 with CEE-plug 16A 5p 400V Carrying handle and stand	InA 16A RDF 0,8	9013022
			2	4			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V Carrying handle and stand	VS max. 16A	9014010
				6			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V Carrying handle	VS max. 16A	9017050
			4				2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V Carrying handle	VS max. 16A	9017115

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

Thermoplastic insulated distribution boxes – mobile Series HORN

Series HORN

- **Socket outlet combination acc. EN 61439**
- Compact design / incl. carrying handle
- Material: PC/ABS
- **Dimensions: HxWxD = 263x246x75mm**
- Up to 12 modules behind window
- For wall assembly (4 fixing holes) also possible
- Ready wired for connection
- **IP54** splashproof
- for assembly plants, construction sites, agriculture, electricians, ...



Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			2	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	2 x MCB 16A 3p-C 2 x MCB 16A 1p-C	1 x CEE-flanged plug 32A 5p 400V	InA 32A RDF 0,7	9004001
			2	4		2 x MCB 16A 1p-C	1 x CEE-flanged plug 16A 5p 400V	InA 16A RDF 0,8	9004004
			2	4	1 x RCD 40A/4/0,03A (TYP A 25AT)		1 x CEE-flanged plug 16A 5p 400V	InA 16A RDF 0,6	9004006
		1	1	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	1 x MCB 16A 3p-C 4 x MCB 16A 1p-C	1 x CEE-flanged plug 32A 5p 400V	InA 32A RDF 0,6	9004002
		1	1	4	1 x RCD 63A/4/0,03A (TYP A 40AT)	1 x MCB 16A 3p-C 2 x MCB 16A 1p-C	1 x CEE-flanged plug 32A 5p 400V	InA 32A RDF 0,7	9004012

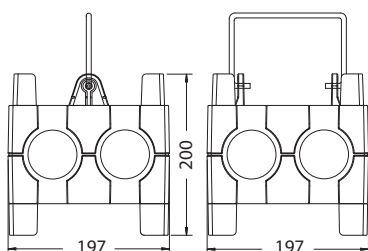
Accessoires:

Support stand with screws



Cat.No. 900404

Thermoplastic insulated distribution boxes – mobile Series IMST



Baureihe IMST

- **Socket outlet combination acc. EN 61439**
- Handy, robust, mobile distribution box made of shock-resistant polyamide
- **Dimensions: HxWxD = 200x197x197 mm**
- With carrying-handle made of high-grade steel
- Maximum rated current of 32A
- Up to 7 sockets
- 8 modules under window
- Ready wired for connection
- For distributing electricity to powered equipment or lighting systems on building sites
- Ideal for craft business, the building trades, farmers, etc.
- Housing colours: black or red
- Stackable, with take-up device for the connecting cable
- **IP44 splashproof**

Layout examples: (other combinations on request!)

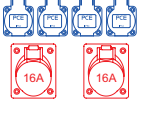
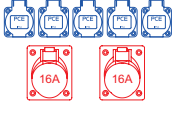
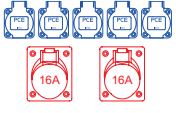
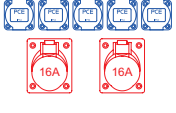
Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
		1	1	2	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	1 x CEE-flanged plug 32A 5p 400V	InA 32A RDF 0,8	9030109
			2	2		2 x MCB 16A 3p-C 2 x MCB 16A 1p-C	1 x CEE-flanged plug 32A 5p 400V	InA 32A RDF 0,8	9030119
			2	2		2 x MCB 16A 3p-C 2 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with plug 32A 5p 400V	InA 32A RDF 0,8	9030129
		1	1	3	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with plug 32A 5p 400V	InA 32A RDF 0,5	9030117
			2	4			1 x CEE-flanged plug 16A 5p 400V	VS max.16A	9030010
			2	4	1 x RCD 40A/4/0.03A (TYP A 25AT)		1 x CEE-flanged plug 16A 5p 400V	InA 16A RDF 0,7	9030014

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

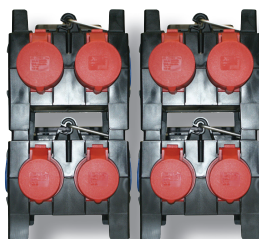
...available on stock!

Thermoplastic insulated distribution boxes – mobile Series IMST

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
			2	4	1 x RCD 40A/4/0.03A (TYP A 25AT)	2 x MCB 16A 1p-C	1 x CEE-flanged plug 16A 5p 400V	InA 16A RDF 0,8	9030206
			2	5			2m cable H07RN-F 5G2,5 with plug 16A 5p 400V	VS max. 16A	9030020 
			2	5	1 x RCD 40A/4/0.03A (TYP A 25AT)		2m cable H07RN-F 5G2,5 with plug 16A 5p 400V	InA 16A RDF 0,7	9030004
			2	5	1 x RCD 40A/4/0.03A (TYP A 25AT)	2 x MCB 16A 1p-C	2m cable H07RN-F 5G2,5 with plug 16A 5p 400V	InA 16A RDF 0,7	9030204 
				7			2m cable H07RN-F 3G2,5 with solid rubber safety plug	VS max. 16A	9030030
				7	1 x RCD 25A/2/0.03A (TYP A 25AT)		2m cable H07RN-F 3G2,5 with solid rubber safety plug	InA 16A RDF 0,7	9030040

 ...available on stock!



- space-saving storage
- boxes are stackable

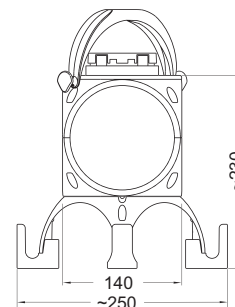
Thermoplastic insulated distribution boxes – mobile

Series PEGASUS



Series PEGASUS

- **Socket outlet combination acc. EN 61439**
- Handy, robust, mobile distribution box made of shock-resistant polyamide
- **Dimensions: HxWxD = 230x140x140 mm**
- Maximum rated current of 32A
- Max. 6 mounting surfaces
- 4 modules under window
- With plastic carrying handle
- Anti-tilt bracket as standard with 4 rubber stoppers, can also be use to coil cables
- Ready wired for connection
- Housing colours: red (standard), yellow (special version)
- Suitable for construction sites, workshops, agriculture, domestic, industrial, commercial and for event
- **IP44 splashproof**



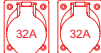
Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
		2	2			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9034003
		1	3			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9034004
			4			2m cable H07RN-F 5G2,5 CEE-with plug 16A 5p 400V	VS max.16A	9034006
			4			2m cable H07RN-F 3G2.5 with safety plug (solid rubber) 16A 2p+PE 230V	VS max.16A	9034007
			6			1 x CEE-flanged plug 16A 5p 400V	VS max.16A	9034011
			8			2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9034005
		3				1 x CEE-flanged plug 16A 5p 400V	VS max.16A	9034009
		4				2m cable H07RN-F 5G2,5 with CEE-plug 16A 5p 400V	VS max.16A	9034002
	4					2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	VS max.32A	9034001

VS = backup fuse

Thermoplastic insulated distribution boxes – mobile Series PEGASUS

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
	1	1	2		1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	InA 32A RDF 0,8	9034030
		2	2		1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	InA 32A RDF 0,8	9034031
		1	2		1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	InA 32A RDF 0,8	9034032
			6		3 x MCB 16A 1p-C	2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	InA 32A RDF 0,9	9034033
	2			1 x RCD 63A/4/0.03A (TYP A 40AT)		2m cable H07RN-F 5G4 with CEE-plug 32A 5p 400V	VS max.32A	9034050
		1	3	1 x RCD 40A/4/0.03A (TYP A 25AT)		2m cable H07RN-F 5G2,5 CEE-with plug 16A 5p 400V	InA 16A RDF 0,7	9034052
			6	1 x RCD 40A/4/0.03A (TYP A 25AT)		2m cable H07RN-F 5G2,5 CEE-with plug 16A 5p 400V	InA 16A RDF 0,7	9034053
			3	1 x RCD 25A/2/0.03A (TYP A 25AT)		2m cable H07RN-F 3G2.5 with safety plug (solid rubber) 16A 2p+PE 230V	VS max.16A	9034055

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse



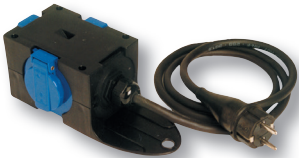
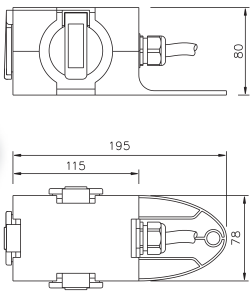
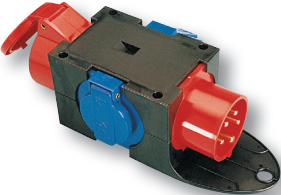
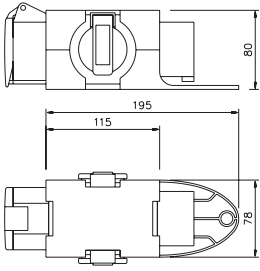
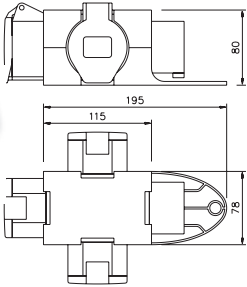
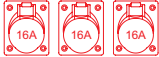
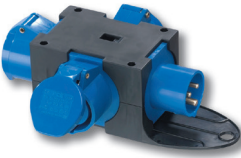
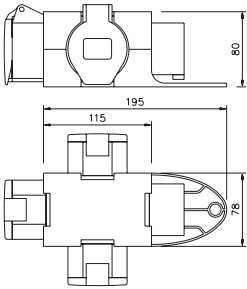
Compact distribution boxes – Series ST. ANTON

PCE compact distribution boxes are designed to be safe, reliable and easy-to-use.

Every product has been manufactured to the highest quality standards (ISO 9001) and is available tailor made in size and equipment to your individual specification.

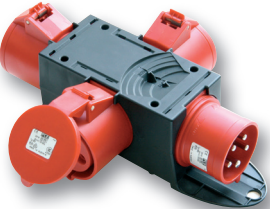
The wide variety of product features guarantees maximum flexibility in use:

- compact shape made of shock-resistant polyamide
- space saving storage - ergonomic design
- with shackle
- ready wired for connection
- **IP44** splashproof
- well adapted for industry.

Symbolic picture	Entry	Outlet	Cat.No.
 	M20 cable gland without cable	3 x safety sockets 16A 250V with self-closing lid 	9430406
	1,5m H07RN-F 3G1,5 with safety plug (rubber) 16A 250V		9430409 
	1,5m H07RN-F 5G1,5 with CEE-plug 16A 5p 400V		9430429 
	1 x CEE-flanged plug 16A 5p 400V		9430412 
Symbolic picture	Entry	Outlet	Cat.No.
 	1 x CEE-flanged plug 16A 5p 400V	1 x CEE-socket 16A 5p 400V 2 x safety sockets 16A 250V with self-closing lid 	9430402 
	1 x CEE-Phasenwendergerätestecker 16A 5p 400V		9430452 
	1,5m H07RN-F 5G1,5 with CEE-plug 16A 5p 400V		9430715
	1,5m H07RN-F 5G1,5 with CEE-phase inverter plug 16A 5p 400V		9430719
Symbolic picture	Entry	Outlet	Cat.No.
 	1 x CEE-flanged plug 16A 5p 400V	3 x CEE-sockets 16A 5p 400V 	9430411 
	1 x CEE-phase inverter flanged plug 16A 5p 400V		9430453
	1,5m H07RN-F 5G1,5 with CEE-plug 16A 5p 400V		9430718 
	1,5m H07RN-F 5G1,5 with CEE-phase inverter plug 16A 5p 400V		9430721
Symbolic picture	Entry	Outlet	Cat.No.
 	1 x CEE-flanged plug 16A 3p 230V	3 x CEE-sockets 16A 3p 230V	9430401
	1,5m H07RN-F 3G1,5 with CEE-plug 16A 3p 230V		9430155
	1,5m H07RN-F 3G1,5 with CEE-plug 16A 3p 230V	3 x CEE-sockets 16A 3p 230V 1 x safety socket 16A 250V	9430455
	1,5m H07RN-F 5G1,5 with CEE-plug 16A 5p 400V	3 x CEE-sockets 16A 3p 230V	9430439

 ...available on stock!

Compact distribution boxes – Series ST. ANTON

Symbolic picture	Entry	Outlet	Cat.No.
	1 x CEE-flanged plug 16A 3p 4h 110V	3 x CEE-sockets 16A 3p 4h 110V	9430301*
	1 x CEE-flanged plug 32A 3p 4h 110V	3 x CEE-sockets 32A 3p 4h 110V	9437560*
Symbolic picture	Entry	Outlet	Cat.No.
	1 x CEE-flanged plug 16A 4p 6h 400V	3 x CEE-sockets 16A 4p 6h 400V	9430311*
	1 x CEE-flanged plug 16A 5p 6h 400V	1 x CEE-socket 16A 4p 6h 400V 2 x safety socket 16A 250V (belg./ french.)	9430050*
	1,5m H07RN-F 4G1,5 with CEE-plug 16A 4p 6h 400V	3 x CEE-sockets 16A 4p 6h 400V	9430343
	1,5m H07RN-F 4G1,5 with CEE-plug 16A 4p 9h 250V	3 x CEE-sockets 16A 4p 9h 250V	9430498
Symbolic picture	Entry	Outlet	Cat.No.
	1,5m H07RN-F 3G1,5 with safety plug (belg./french.) 250V	3 x safety socket 16A 250V (belg./ french.)	9430479
	1 x CEE-flanged plug 16A 5p 6h 400V		9430478
	1 x CEE-flanged plug 16A 5p 6h 400V	1 x CEE-socket 16A 5p 6h 400V 2 x safety socket 16A 250V (belg./ french.)	9430477
	1,5m H07RN-F 5G1,5 with CEE-plug 16A 5p 6h 400V		9430476
Symbolic picture	Entry	Outlet	Cat.No.
	1,5m H07RN-F 2 x 2,5 with plug 16A 2p 24V	3 x extra low voltage sockets 16A 2p 24V	9430024
	1,5m H07RN-F 2 x 2,5 with plug 16A 2p 42V	3 x extra low voltage 16A 2p 42V	9430350
Symbolic picture	Entry	Outlet	Cat.No.
	1,5m H07RN-F 5G4 with CEE-plug 32A 5p 6h 400V	3 x CEE-sockets 32A 5p 6h 400V	9437113 
	1 CEE-flanged plug 32A 5p 6h 400V		9437413 
	1,5m H07RN-F 5G4 with CEE-phase inverter plug 400V		9437114
	1 CEE-flanged plug phase inverter 32A 5p 400V		9437454

St. Anton 4f

* Export version (not allowed in Austria and Germany!)

 ...available on stock!

Thermoplastic insulated empty distribution box – wall mounting **Series T-BOX**

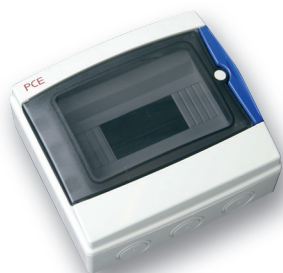


Series T-BOX 4

- dimensions: HxWxD = 217x141x105mm
- windows up to 4 modules
- IP65 watertight

1519004

pack.unit: 32



Series T-BOX 8

- dimensions: HxWxD = 217x235x105mm
- windows up to 8 modules
- IP65 watertight

1519008

pack.unit: 16



Series T-BOX 12

- dimensions: HxWxD = 217x307x105mm
- windows up to 12 modules
- IP65 watertight

1519012

pack.unit: 12



Series T-BOX 26

- dimensions: HxWxD = 409x307x150mm
- windows up to 26 modules
- IP65 watertight

1519026

pack.unit: 5



Series T-BOX 42

- dimensions: HxWxD = 563x326x150mm
- windows up to 42 modules
- IP65 watertight

1519042

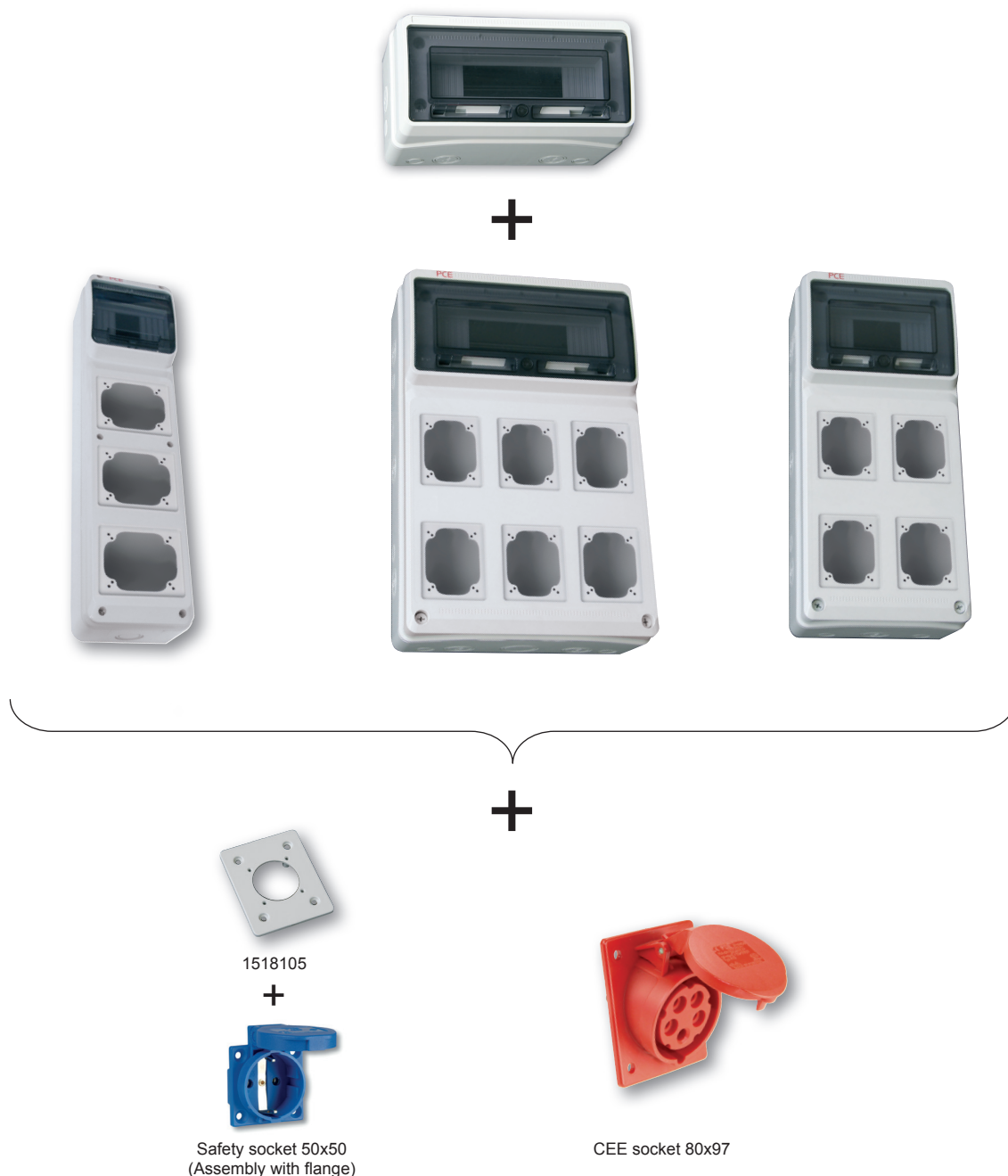
pack.unit: 4

Thermoplastic insulated empty distribution box – wall mounting **Series M-BOX**

■ ■ **Series M-BOX:**

- high-quality thermoplastic material
- IP65 watertight
- window up to 6, 8 or 13 modules
- many combination possibilities of housings and sockets without mechanical use
- numerous equipment

■ ■ **Example:**



Thermoplastic insulated empty distribution box – wall mounting **Series M-BOX**

■ ■ Included in every box:

- housing with window
- flanges (premounted) for sockets flange 70x85
- 1 blind flange
- instruction manual
- screws for the mounting of the sockets
- 4 caps for wall fixing screws
- **IP65** (depending of the equipped sockets)

Series M-BOX 6S

- **dimensions:** HxWxD=490x125x107mm
- windows up to 6 modules
- 3 perforations only for PCE sockets
- 3 flanges premounted (for assembling sockets 70x85)
- without flange: for assembling sockets 16A 3p up to 32A 5p

For sockets and accessories see page 275!



1518063

pack.unit: 18

Series M-BOX 6E

- **dimensions:** HxWxD=490x125x107mm
- windows up to 6 modules



1518062

pack.unit: 18

Series M-BOX 8S

- **dimensions:** HxWxD=506x230x150mm
- windows up to 8 modules
- 4 perforations only for PCE sockets
- 4 flanges premounted (for assembling sockets 70x85)
- without flange: for assembling sockets 16A 3p up to 32A 5p

For sockets and accessories see page 275!



1518083

pack.unit: 6

Series M-BOX 8E

- **dimensions:** HxWxD=506x230x150mm
- windows up to 8 modules



1518082

pack.unit: 6

Series M-BOX 13S

- **dimensions:** HxWxD=506x330x150mm
- windows up to 13 modules
- 6 perforations only for PCE sockets
- 6 flanges premounted (for assembling sockets 70x85)
- without flange: for assembling sockets 16A 3p up to 32A 5p

For sockets and accessories see page 275!



1518133

pack.unit: 4

Series M-BOX 13E

- **dimensions:** HxWxD=506x330x150mm
- windows up to 13 modules



1518132

pack.unit: 4

Thermoplastic insulated empty distribution box – wall mounting **Series M-BOX**

	16A 3p=6h 230V~	16A 4p=6h 400V~	16A 5p=6h 400V~	32A 3p=6h 230V~	32A 4p=6h 400V~	32A 5p=6h 400V~
	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
IP44	413-6f8	414-6f8	415-6	423-6	424-6	425-6
IP67	4132-6f8	4142-6f8	4152-6f78	4232-6f78	4242-6f78	4252-6f78

Technical details and other clock positions see page 84-85



80x97

	Cat.No.	Cat.No.
rear connection	Austrian/ German system 1050-0b	Belgian/ French system 1040-0b
side connection	1050-0bs	1040-0bs

Special versions see page 156 to 165!



Series M-BOX 13WH

- dimensions:
WxHxD=180x330x150mm
- windows up to 13 modules (6 units are blinded)

1518134
pack.unit: 12



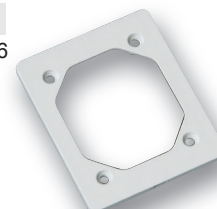
Blind flange

1518000
pack.unit: 6



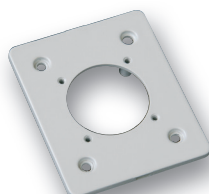
Flange for sockets 70x85

1518413
pack.unit: 6



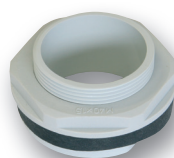
Flange for safety sockets 50x50

1518105
pack.unit: 6



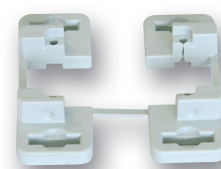
Connecting device

1518010
pack.unit: 10



Wall fixing center

1518020
pack.unit: 10



Metal lock for window

1518030
pack.unit: 1



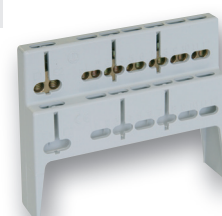
Terminal block 14p

1518040
pack.unit: 1



Terminal block 14p incl. holder (for input of a second terminal block)

1518045
pack.unit: 1





DISTRIBUTION BOXES WITH SUSPENSION HOOK
made of thermoplastic and solid rubber

Distribution boxes with suspension hook



Pegasus

Dimensions: HxWxD = 220x140x140mm

Page

276



Freistadt

Dimensions: HxWxD = 129x129x120mm

278



eMobility - charging stations

wall mounted / mobile

279



Thermoplastic insulated distribution boxes – with suspension hook **Series PEGASUS**



Series PEGASUS

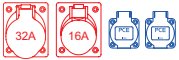
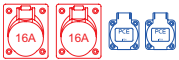
- Handy, robust and compact distribution box made of shock-resistant polyamide
- **Dimensions: HxWxD = 220x140x140 mm**
- With 4 ring bolts for ceiling fastening
- Maximum rated current of 32A
- Max. 6 mounting surfaces
- 4 modules under window
- Ready wired for connection
- Housing colours: red (standard), yellow (special version)
- With ergonomic anchor handle on the bottom of the housing
- **IP44 splashproof**



Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
	1	1	2			1 x M32 (ø18-25mm) top 1 x M25 (ø13-18mm) top 2 x VC-terminal 5p	max.16A max.32A	9033002
		2	2			1 x M25 (ø13-18mm) top 1 x M20 (ø10-14mm) top 1 x VC-terminal 5p 1 x VC-terminal 3p	max.16A	9033004
		1	3			1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	max.16A	9033005
			4			1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	max.16A	9033007
			4			1 x M20 (ø10-14mm) top 1 x VC-terminal 3p	max.16A	9033008
			8			1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	max.16A	9033006
	2	2				1 x M32 (ø18-25mm) top 1 x M25 (ø13-18mm) top 2 x VC-terminal 5p	max.16A max.32A	9033001
		4				1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	max.16A	9033003

Thermoplastic insulated distribution boxes – with suspension hook Series PEGASUS

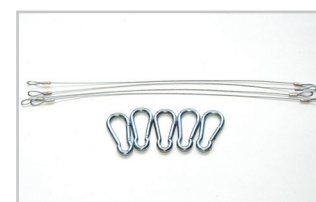
Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
	1	1	2		1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	1 x M32 (ø18-25mm) top 1 x VC-terminal 5p	InA 32A RDF 0,8	9033030
		2	2		1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	1 x M32 (ø18-25mm) top 1 x VC-terminal 5p	InA 32A RDF 0,8	9033031
		1	2		1 x MCB 16A 3p-C 1 x MCB 16A 1p-C	1 x M32 (ø18-25mm) top 1 x VC-terminal 5p	InA 32A RDF 0,8	9033032
		2	2	1 x RCD 40A/4/0.03A (TYP A 25AT)		1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	InA 16A RDF 0,9	9033050
		1	3	1 x RCD 40A/4/0.03A (TYP A 25AT)		1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	InA 16A RDF 0,5	9033051
			3	1 x RCD 40A/4/0.03A (TYP A 25AT)		1 x M25 (ø13-18mm) top 1 x VC-terminal 5p	VS max.16A	9033052
			3	1 x RCD 25A/2/0.03A (TYP A 25AT)		1 x M20 (ø10-14mm) top 1 x VC-terminal 3p	InA 16A RDF 0,8	9033053
		1	3			1 x M25 (ø13-18mm) top 1 x VC-terminal 5p 1 x compressed air double, size 7,2mm	VS max.16A	9033071
			4			1 x M20 (ø10-14mm) top 1 x VC-terminal 3p 1 x compressed air double size, 7,2mm	VS max.16A	9033073



9033031



9033073



Accessories for suspended version:

- Pegasus suspension kit (4x)
- L=300mm

9033-1

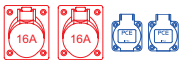
Solid rubber distribution boxes – with suspension hook **Series FREISTADT**



Series FREISTADT

- Robuster distribution box solid rubber - hanging version
- **Dimensions: HxWxD = 129x129x100 mm**
- With 2 eye screws
- Hook handle (plastic) on the bottom
- Max. rated current 16A
- Ready wired for connection
- **IP54,**

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
		1	3			1 x M20 (ø10-14mm) top 1 x VC-terminal 5p	max.16A	9848251
		2	2			1 x M20 (ø10-14mm) top 1 x VC-terminal 5p	max.16A	9848250
			4			1 x M20 (ø10-14mm) top 1 x VC-terminal 3p	max.16A	9848263

eMobility - charging stations

Charging station eMobility-wall (home/industry)

- 16A charging station (11kW) mode 3 acc. IEC61851
- **Dimensions: HxWxD = 222x320x140 mm**
- Input: cable gland (top)
- Output: 4m cable with AC charging plug Type2
- With wall holder (stainless steel) for cable and plug
- Ready wired to use
- **IP44**
- For industry and private use

Layout example: (other combinations on request!)

Wall mounted thermoplastic distribution box series ANIF7 IP54 222x320x140 14units with wall holder and holder for cable and plug
 1 x M25 cable gland top (diameter 13-18mm)
 1 x Vehicle-charging plug Type2 with 4m cable protected with 1xMCB 16A 3p C
 1 x Charge controller
 1 x Differential RCD modul
 1 x RCD 40A/4/0.03A (TYP A 25AT) over all exits
 1 x Contactor 4p AC3 12,5kW/400V
 1 x Indicator lights error/charging/connected
 1 x Key switch

9135800



Charging station eMobility-mobile (home/industry)

- 16A charging station (11kW) mode 3 acc. IEC61851
- **Dimensions: HxWxD = 255x400x300 mm**
- Input: 2m cable H07RN-F 5G2,5 with CEE plug 16A 5p 400V
- Output: AC charging socket Type 2 with electric lock
- Ready wired to use
- **IP44**
- For industry and private use

Layout example: (other combinations on request!)

Mobile distribution box solid rubber series SCHREMS IP54 255x400x300 with carrying handle and feet (stackable)
 2m cable H07RN-F 5G2.5mm2 black with plug 16A 5p 400V
 1 x Charging socket Type2, 20A 480V 3p with e-lock 24V and hinged lid protected with 1xMCB 16A 3p C
 1 x Charge controller
 1 x Differential RCD modul
 1 x RCD 40A/4/0.03A (TYP A 25AT) over all exits
 1 x Contactor 4p AC3 12,5kW/400V
 1 x Indicator lights error/charging/connected

9502800



Accessories: charging cable

- Mobile AC-charging cable 4m with vehicle connector and infrastructure plug

Charging plug		Cable	Cat.No.
Vehicle	Infrastructure		
TYPE 2	TYPE 2	4m, 5x2,5mm ² + 1x0,5mm ² , 3p, 20A, 480V	1404877
TYPE 1	TYPE 2	4m, 5x2,5mm ² + 1x0,5mm ² , 3p, 20A, 480V	1410090



■ Energy pillars, made out of metal with integrated, closed distribution boxes and protection class II

■ Fields of application

- Industry and commerce
- Public places, parks, event locations
- Industrial buildings and halls
- Camping sites and marina
- and many more ...

■ Advantages

- Metal construction (stable, long lasting, robust)
- Simple mounting and installation
- **EPS** ENCLOSURE PROTECTION SYSTEM – electrical components are perfectly protected in a closed distribution box!
- Individual configuration (power, network, compressed air, water, ...)
- Pillar ready wired and tested.
-  protection class II
- Ingress protection: IP54



■ Pillar: aluminium profile MS 300

- Aluminium profile (side-, front- and back wall)
- Top and bottom plate made out of machined aluminium
- Individual heights possible

Technical data pillar:

- Dimensions: (H x W x D) 1210/1330 x 300 x 175 mm
- Stand: 360 x 325 mm (fixing center 330 x 295 mm)
- High durable aluminium - seawater resistant
- Colour: silver anodised
- Other versions on request

Technical data distribution box (integrated):

- Thermoplastic enclosure PC/ABS
- Ready wired on main terminal
- Fuse window self closing
-  protection class II
- Ingress protection: IP54 (others in request)



Height: H= 1210mm



9080001



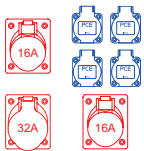
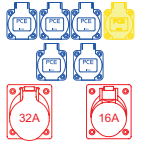
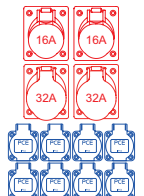
9080002

Height: H= 1330mm



9080005

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
	1	2	4	1 x RCD 63A/4/0.03A (TYP A 63AT)	1 x MCB 32A 3p-C 2 x MCB 16A 3p-C 4 x MCB 16A 1p-C	1 x M40 (ø22-32mm) bottom	InA 50A RDF 0,5	9080001
	1	1	4	1 x RCD 63A/4/0.03A (TYP A 63AT)	1 x MCB 32A 3p-C 1 x MCB 16A 3p-C 4 x MCB 16A 1p-C	1 x M40 (ø22-32mm) bottom 1 x M16 (ø5-10mm) bottom 1 x CAT6-Dose RJ45 double	InA 40A RDF 0,5	9080002
	2	2	8	1 x RCD 63A/4/0.03A (TYP A 63AT) for CEE 1 x RCD 63A/4/0.03A (TYP A 40AT) for SS	2 x MCB 32A 3p-C 2 x MCB 16A 3p-C 4 x MCB 16A 1p-C	1 x M40 (ø22-32mm) bottom	InA 63A RDF 0,5	9080005

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse



■ Pillar: Steel sheet powder coated

- Steel sheet construction powder coated
- Front plate removable, anodized aluminium
- Individual configuration

Technical data pillar:

- Dimensions: (H x W x D) 750/1200 x 165 x 85 mm
- Stand: 250 x 150 mm
- Colour: Housing grey (RAL 7016 powder coated)
Top cover red (RAL 3000 powder coated)
Front plate: aluminium silver anodized

Technical data distribution box (integrated):

- Rubber distribution box
- Ready wired on main terminal
- Fuse window self closing
-  protection class II
- Ingress protection: IP54 (others in request)



Height: H= 1200mm



9081001



9081002



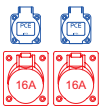
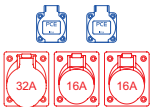
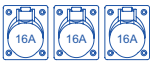
9081003

Height: H= 750mm



9081802

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		CEE 230V 3p	SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A		16A	RCD	MCB			
		2		2	1 x RCD 40A/4/0.03A (TYP A 25AT)		1 x M25 (ø13-18mm) bottom	InA 16A RDF 0,7	9081001
	1	2		2	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 2 x MCB 16A 1p-C	1 x M32 (ø18-25mm) bottom	InA 32A RDF 0,5	9081002
			3		3 x RCBO 16A 1p+N 0,03A C		1 x M25 (ø13-18mm) bottom	VS max.16A	9081003
		1		2			1 x M25 (ø13-18mm) bottom design socket, lockable	VS max.16A	9081802

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

PILA¹ Energy pillars

■ Pillar: Stainless steel or sheet metal powder coated

- Pillar made out of V2A stainless steel or steel sheet powder coated
- Individual heights possible

Technical data pillar:

- Dimensions: (H x W x D) 1200 x 248 x 107 mm
- Stand fixing center: 330 x 295 mm
- Other versions on request

Technical data distribution box (integrated):

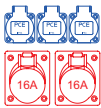
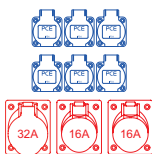
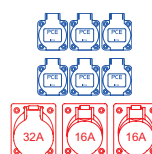
- Rubber distribution box
- Ready wired on main terminal
- Fuse window self closing
-  protection class II
- Ingress protection: IP54 (others in request)



EPS
ENCLOSURE
PROTECTION
SYSTEM
IP54

Height: H= 1200mm

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p		SS 250V	Protection		Connection	InA RDF	Cat.No.
	32A	16A	16A	RCD	MCB			
		2	3	1 x RCD 40A/4/0.03A (TYP A 40AT)	1 x MCB 16A 3p-C 3 x MCB 16A 1p-C	1 x M32 (ø18-25mm) bottom Column made out of steel sheet metal, powder coated (RAL 7016)	InA 25A RDF 0,7	9082002
	1	2	6	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 32A 3p-C 2 x MCB 16A 3p-C 6 x MCB 16A 1p-C	1 x M32 (ø18-25mm) bottom Column made out of steel sheet metal, powder coated (RAL 7016)	InA 50A RDF 0,5	9082001
	1	2	6	1 x RCD 63A/4/0.03A (TYP A 40AT)	1 x MCB 32A 3p-C 2 x MCB 16A 3p-C 6 x MCB 16A 1p-C	1 x M32 (ø18-25mm) bottom Column made out of stainless steel V2A	InA 50A RDF 0,5	9082003

InA= Rated current of switchgear and control gear assembly; RDF = Rated diversity factor; VS = backup fuse

Distribution boxes - stainless steel



Stainless steel distribution box - wall mounted

- Made of corrosion resistant stainless steel
- Cable exit to use with closed door
- Lockable - protects against unwanted use
- Different variations and configurations possible
- Cable entry from top or bottom possible
- Dimensions: (W x H x D)
400x530x240 mm
300x700x330 mm
530x700x370 mm
- IP44 (with closed door)



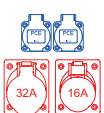
Stainless steel distribution box - flush mounted

- Made of corrosion resistant stainless steel
- Cable exit to use with closed door
- Lockable - protects against unwanted use
- Different variations and configurations possible

Installation dimension (HxWxD): 520 x 360 x 210 mm
Dimension (HxWxD): 580 x 420 x 212 mm

- IP43 (with closed door)

Layout examples: (other combinations on request!)

Layout	CEE 400V 5p			SS 250V	Protection		Connection	InA RDF	Cat.No.
	63A	32A	16A	16A	RCD	MCB			
		1	1	2	1 x RCD 63A/4/0.3A (TYP A 63AT)	1 x MCB 32A 3p C 1 x MCB 16A 3p C 2 x MCB 16A 1p C	2 x top and 2x bottom with grommets for cable diame- ter up to 36mm	max. 63A	621010003

Energy bollard stainless steel

Energy bollard stainless steel

- Diameter bollard 330 mm, possible for electrical, water and air equipment. Perfect for garden and parks market places, hotels and other public places.
- Energy supply and blockage of thoroughfares in one unit
- Bollard heights: 650, 850, 1050, 1280 and 1500 mm (other dimensions on request)
- Optional: water connection
built in heating for tubes

Standard equipment:

- Mounting flange Ø 450 mm with 4 holes
- Socket outlet combination IP54 (IP67 on request) ready mounted and wired to use
- Front door lockable (locking cylinder)
- Powder coated in RAL colours



MOSER SYSTEMELEKTRIK

Your partner for modern and sustainable connection technology in the range of indoor and outdoor

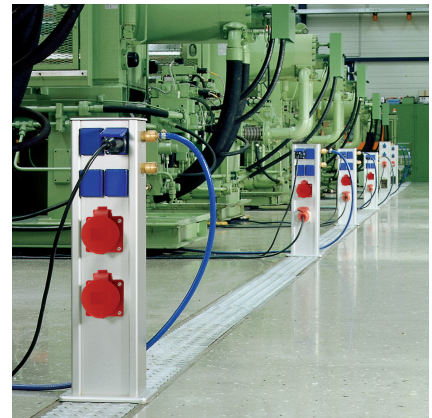
For more than 40 years MOSER is one of the leading companies in the range of underground systems and connection columns. According to continuous redevelopments the product range has been extended and comprises nowadays a complete high quality program of connection technology from the workplace in the office to the industry.

From 1967 to 1975 MOSER expanded its business field with electric installation and developed the first connection columns. In 1985 supply posts followed. This technique has been improved until 1988 so MOSER could present as the first company worldwide its retractable connection technology, which is suitable for the urban use and also for applications in the aviation industry in an outstanding way.

From 2013 Moser Systemelektrik GmbH is a company of the PCE Group and organizationally attributed to the MERZ GMBH as a sub company.

MERZ GMBH offers a wide product range with high quality in the range of mobile power distribution (especially building site main cabinets), test technology, sheet metal technology and low voltage switch gears. (more information under: www.merz-elektro.de)

The holding company PC Electric GmbH with its headquarter in St. Martin (Austria) is specialized in the production of industrial plugs, sockets with earth contact and plugs and furthermore offers a complete product range of distribution boxes made out of solid rubber and synthetic material. (more information under www.pcelectric.at)



Garden- and gate intercom columns

Garden supply tower MS10

The garden supply tower for outside, comprising a closed aluminium profile with lid. A protective-conductor terminal with equipotential bonding is integrated for the electrical connection. The supply towers can be equipped with all common standard devices.

Technical data:

Dimension: 100 x 50 x 300/500/1150 mm, IP44

Material, colour: aluminium profile, silver anodized

Example:	Cat.No.
MS10, 100x50x300, IP44, unequipped, incl. stand	70307056
MS10, 100x50x500, IP44, unequipped, incl. stand	70507021



Garden supply tower MS18

Supply column for outside areas, comprising a closed rectangular profile and aluminium intermediate cover. Integrated equipotential bonding terminal with protection conductor for the electrical connection. The column is prepared at the factory for equipping on one side with all standard equipment programs.

Option: Light (LED lid for orientation, or regular surrounding light), water supply

Technical data:

Technical data: 180 x 100 x 500/800/1150/1400 mm, IP44

Material, colour: aluminium profile, silver anodized

Example:	Cat.No.
MS18, 180x100x1400, IP44, unequipped, incl. stand	61400135
MS18, 180x100x1400, IP44, unequipped, incl. stand and LED lid	71400139



Garden supply tower MSR12

Supply column for outside areas, comprising a closed round profile of aluminium with a flat side for equipping, including round segment profile for covering the section of the tower that is not equipped, 2 plastic segment covers, aluminium intermediate cover, incl. equipotential bonding terminal with protection conductor. The column is prepared at the factory for equipping on one side with all standard equipment programs. (Frame width max. 85 mm)

Option: Light (LED lid for orientation, or regular surrounding light)

Technical data:

Technical data: Ø 120 x 500/800/1150 mm, IP44

Material, colour: aluminium profile, silver anodized

Example:	Cat.No.
MSR12, Ø120x800, IP44, unequipped, incl. stand and LED lid	80800072



Garden supply tower MSR20

The MSR20 gate intercom column comprises an anodised aluminium profile, cover and footplate. The grid plate is prepared to mount standard switches and sockets, as well as intercom systems.

Option: Light (LED lid for orientation, or regular surrounding light)

Technical data:

Technical data: Ø 200 x 500/800/1150/1400 mm, IP44

Material, colour: aluminium profile, silver anodized

Example:	Cat.No.
MSR20, Ø200x1400, IP44, unequipped, incl. stand	51400159
MSR20, Ø200x1400, IP44, unequipped, incl. stand and LED lid	61400163



Office connection technology

Floor- office columns MS10 / MSR12 / MS15 / MS240



MS10: Connection column for offices comprises a closed, anodised aluminium profile with cover and equipotential bonding with protective conductor terminal. The connection column for offices can be equipped on one side with all standard device ranges.

MSR12: Connection column for offices comprises a closed round aluminium profile with flat surface for equipping, including round segment profile for covering the non-equipped part of the column, 2 segment covers, equipotential bonding terminal, without base plate. The column can be equipped on one side with all standard device ranges.

MS15: Connection column for offices comprises a closed, anodised aluminium profile with cover and equipotential bonding with protective-conductor terminal. It can be equipped on one or both sides with all standard devices, including high and low voltage devices. A separating rail is necessary for separating various electric circuits inside a column.

MS240: Connection column for offices for equipping with standard devices, instabus devices, selective back-up, distribution. The MS240 offers sufficient manoeuvring space for functional bending radii and strain relief for coaxial cables, optical waveguides, stranded conductors (twisted) and high voltage lines.

MS240 comprises a flush-fitted base plate, profiled side panels, screw-on cover, separating rail including a C-rail and a top hat rail for mounting terminals and strain relief, equipotential bonding terminal, 2 device plates.

Mounting possibilities: Directly on the floor with a base plate. MS10, MSR12 and MS15 can be mounted with an optional integrated flush floor socket to be removable and flexible.

Technical Data:

Dimensions:	MS10: 100 x 50 x 300/500 mm	IP-rating:	IPX0
	MSR12: Ø120 x 300/500 mm	Material:	aluminium
	MS15: 150 x 100 x 300/500 mm	Colour:	silver anodized
	MS240: 240 x 175 x 310/410/510 mm		

Office ceiling supply columns MSD10 / MSDR12

Ceiling connection column for offices for vertical connection technology, for supplying power from either the ceiling or the floor, comprising a closed aluminium profile prepared for equipping one side with all standard device ranges including high and low voltage devices.

The column is divided into 6 positions. Each position can be equipped with the required drilling unit. A separating rail can be provided for separating various electric circuits inside the column. (MSD10).

Technical data:

Dimension:	MS10: 100 x 50 x 2700 mm
	MSDR12: Ø120 x 2700 mm
IP-rating:	IPX0
Material:	aluminium
Colour:	silver anodized



Individual equipment and heights on request!

Industrial supply columns

Industrial floor column MS15

MS15 connection column for industry for vertical connection technology comprising closed aluminium profile with cover and equipotential bonding with protective-conductor terminal, distributor (with 6 units), circuit-breaker and built-in devices.

The MS15 connection column for industry can be mounted directly on the floor using the base plate. The mounting set comprising ground socket and base plate is suitable for mounting on screed flooring, on double floors or for connecting to underground systems. Either the square or round ground socket can be used. The MS15 industrial column is also deliverable with a modular connector. Hinged frames, modules and intermediate bearings for modular connector have to be ordered separately.

Equipment:

One or two sides with all standard device ranges, including high and low voltage devices, industrial sockets and CEE-surface-mounted sockets, straight up to 5 x 32 A and on 3 sides (additional, e.g. compressed air)

Technical data:

Dimensions: 150 x 100 x 500/660/800/1000 mm, IP44
Material, colour: aluminium profile, silver anodized

Example:	Cat.No.
MS15, window 6 units, 2x safety sockets protected with 2xMCB 16A 1p C, 1xC EE 16A 5p 400V protected with 1xMCB 16A 3p C, 1x compressed air connector, 150x100x670 mm, incl. stand	50667001
MS15, window 6 units, 2x safety sockets protected with 2xMCB 16A 1p C, 1xC EE 16A 5p 400V protected with 1xMCB 16A 3p C, 1xC EE 32A 5p 400V protected with 1xMCB 32A 3p C, 1x compressed air connector, 150x100x1000 mm, incl. stand	50997012



Industrial ceiling supply columns MSD15 / MSDI165+

MSD15: ceiling connection column for industry for vertical connection technology, for supplying power from either the ceiling or the floor, comprising closed aluminium profile prepared for equipping one 1, 2 or 4 sides with all standard device ranges including high and low voltage devices and emergency off-button or CEE surface-mounted sockets up to 63 A and distribution fuse board up to max. 6 partitions. The column is divided into 6 positions for equipping purposes. Each position can be equipped with the required drilling unit. For columns that require equipping on 2 sides, please specify the required bore-holes on the 2nd side separately. A separating rail is necessary for separating various electric circuits inside a column.

MSDI165+: MSDI165+ ceiling connection column for industry for vertical connection technology, for supplying energy from either the ceiling or the floor comprising:

- closed extruded aluminium profile, especially for the electrical connections.
- side flaps for e.g. compressed air, vacuum connections, suction lines, water and other media if technically possible.
- Column cover and base plate.

Possible equipment:

On 1, 2 and 4 sides with all standard device ranges including high and low voltage devices as well as an emergency-off button or CEE-surface-mounted sockets up to 63 A and distribution fuse board up to max. 8 partitions per distributor. Compressed air units, vacuum connections, suction lines, water and other media if technically possible.

Technical data:

Dimensions: MSD15: 150 x 100 x 2700 mm
MSDI165+: 295 x 120 x 3000 mm
IP-rating : IPX5
Material: aluminium
Colour: silver anodized



Individual equipment and heights on request!



Clean room technology

Clean-rooms and laboratories use many technical devices and modern technology which have not been used a few years ago. It is usually difficult to enable the supply of the working places in an adequate way afterward. This comprises not only the current supply, but rather the supply of air pressure or data sockets.

The MOSER connection columns made out of anodized aluminium enable an extremely efficient and cost-saving solution. Furthermore these columns convince with their outstanding features. Especially the application in the production of microelectronics is an approved method as the supply of electrical connection for big production areas and for single working places is requested. As simple wall ducts are not advisable, a special solution for this problem is long-needed necessary. Therefore we have certified the existing connection columns for the application in clean-rooms and convince now as a competent partner in the professional fitting of clean-rooms. According to ISO 14644-1 the possible application in clean-rooms (air purity class 1) has been confirmed with the IPA-certificate by the Fraunhofer Institute.

As they can be cleaned and disinfected without problems, they fulfill all requirements of a hygienic design. Furthermore the ceiling suspension supports a low turbulence displacement flow and enables an application in Laminar-Flow-Units.



Fraunhofer
TESTED®
DEVICE
Moser Systemelektrik
MSD10
Report No. MO 0912-499

DUPLIKAT

Qualifizierungsurkunde

Hiermit wird bescheinigt, dass für unten genanntes Produkt, untersucht im Auftrag der Firma

Moser Systemelektrik

Erkennung T

78141 Schönmühl

das Fraunhofer-Zertifikat TESTED DEVICE Nummer MO 0912-499

vergeben wurde.

Die Deckenschlusskategorie MSD10 ist geeignet, um in Reinräumen

der Luftreinheitsklasse 1 gemäß ISO 14644-1 eingesetzt zu werden.

Detaillierte Informationen sowie die Parameter der Prüfungsbegleitung

entnehmen Sie bitte dem Prüfbericht des Fraunhofer IPA.

Die Gültigkeit dieser Bescheinigung bezieht sich ausschließlich auf

das genannte Produkt in unveränderter Form.

Weitere Informationen: www.ipa-qualification.com

Stuttgart, den 15. Dezember 2009

[Signature]

Fraunhofer
IPA

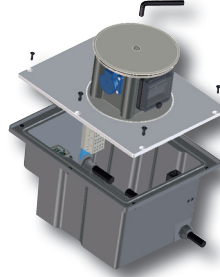
Retractable connection technology

Underground connection: TerraMo

Modern underground system for power supply in- and outdoors. The field of application ranges from shopping malls, offices, congress centers, fair grounds as well as market places, private homes and parking lots.

Technical data:

IP-rating:	IP 44
Total weight:	11 kg
Dimensions (HxWxD):	303 x 390 x 310 mm
Install. depth, extendible height:	303 mm, 136 mm
Load capacity of cover:	support weight of car
Heater:	20 W switch cabinet heater
Lifting mechanism:	gas pressure spring
Drainage connection:	1 DN 40



Example:	Best.Nr.
TerraMo, 2x safety socket 16A 250V	502010001
TerraMo, window 4 units, 1xCEE 16A 5p 400V, 2x safety socket, RCBO 16/0,03A 4p-C	502010005

Underground connection: series SE

Retractable, freely accessible for vehicles, electrical connections and distribution columns for open areas and halls for groundflush installation in compliance with VDE regulations, comprising:

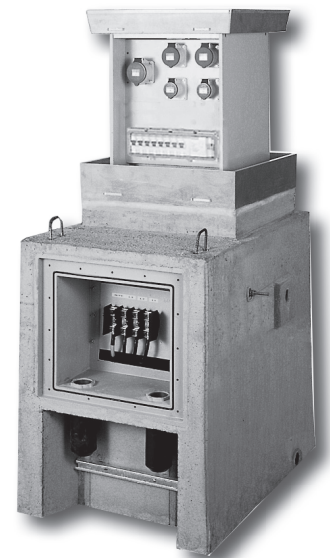
Concrete pit with integrated drainage, cable feed-throughs and cable terminal boxes, corrosion-proof aluminium pit insert, supply tower with pit cover of cast aluminium suitable for paving, electrical device modules and hand crank.

Options: Water supply or other energy sources

Technical data: (general)

IP-rating:	IP 44 (IP67)
Protection degree:	Earth conductor, protection class 1
Rated power:	up to 130 kW
Load capacity of cover:	up to 40 ton point load

Please ask for detailed technical documentation!



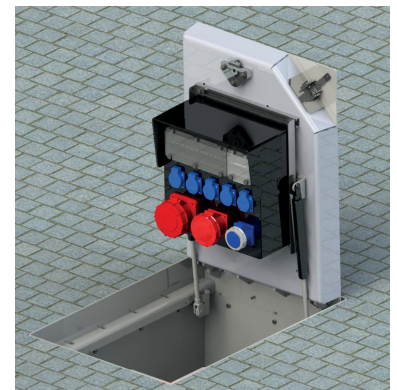
Underground connection with lid: series SEK

The new Moser underground connection with hinged lid made out of stainless steel are the perfect supply possibility for areas in- and outdoors. Once the lid is closed, the unit is almost invisible and protected against vandalism. The integrated full rubber distribution box can be equipped individually. The flexible use of space and the invisible storage of power supply, even in small areas, fit perfectly in every townscape.

Options: Cable exit (lid can stay closed during operation)
Water supply or other energy sources

Technical data: (general)

IP-rating: (distribution box)	IP 54 (others on request)
Load capacity of lid:	up to 40 tons



Individual equipment and heights on request!



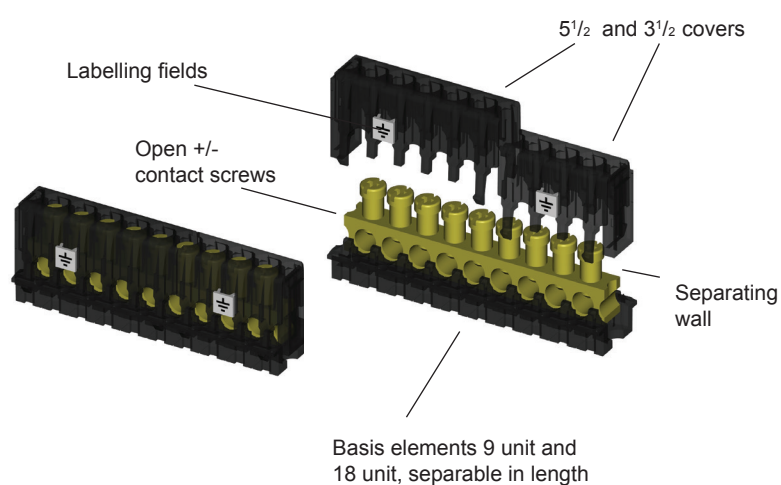
Vario Connector – variable connector block

For use in distribution boxes and cabinets, applicable as connecting terminal and intermediate terminal.

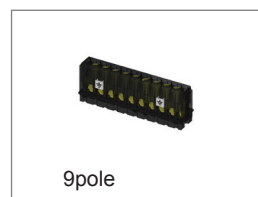
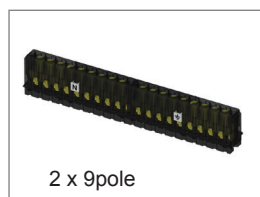
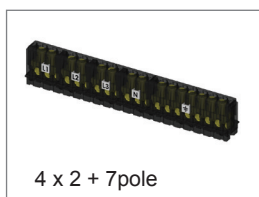
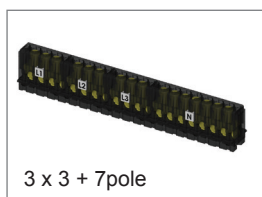
Advantages:

- modular construction
- connection of various potentials
- variable fixing possibilities
- EN 60998-2-1
- connection 1,5mm² to 10mm²
- isolation voltage 450V
- ambient temperature: T85/-25°C
- IP20

ÖVE

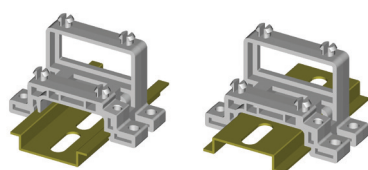


Examples of application:

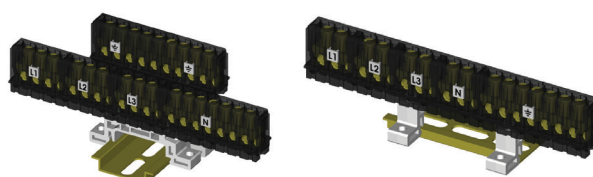


Mounting possibilities:

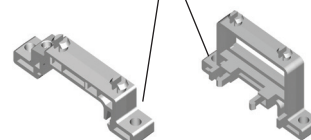
Receptors for DIN-rail 35mm
above or below



Cross- or length-wise assembly on DIN rail 35mm



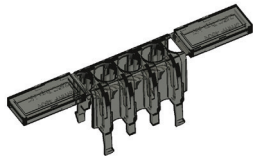
screwable



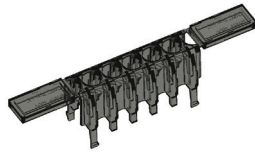
Vario Connector overview

Cover

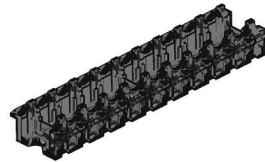
packaging unit: 50



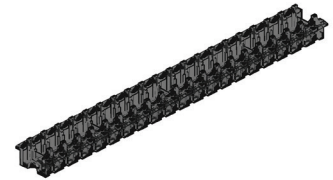
Terminal VC Cover 3.5
667235-50



Terminal VC Cover 5.5
667255-50



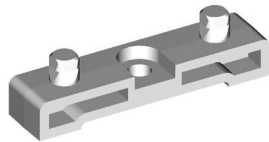
Terminal VC Basis 9
667109-50



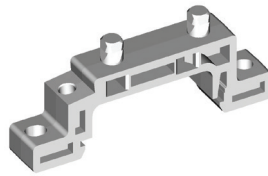
Terminal VC Basis 19
667119-50

Holder

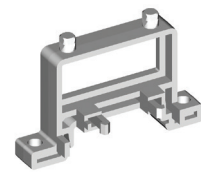
packaging unit: 50



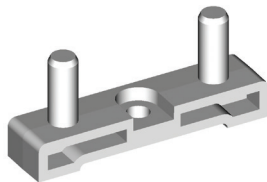
Terminal VC Holder Snap 7
667307-50



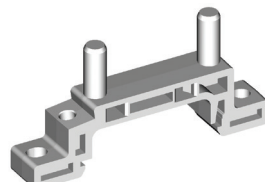
Terminal VC Holder Snap 16
667316-50
(screw 3,0x10) for DIN-rail
fixing 201803-1000



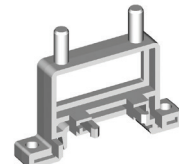
Terminal VC Holder Snap 34
667334-50



Terminal VC Holder Pin 7
667407-50



Terminal VC Holder Pin 16
667416-50
(screw 3,0x10) for DIN-rail
fixing 201803-1000



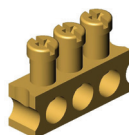
Terminal VC Holder Pin 34
667434-50

Bar Rail

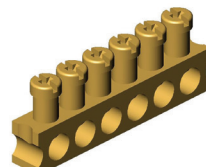
packaging unit: 20



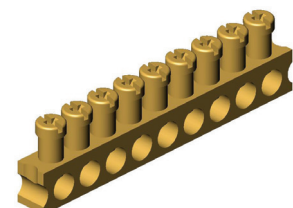
Terminal VC Bar Rail 2p
171402-20



Terminal VC Bar Rail 3p
171403-20



Terminal VC Bar Rail 6p
171406-20



Terminal VC Bar Rail 9p
171409-20

Dekafix

packaging unit: 500



Terminal Dekafix 5 neutral
0473361044-500



Terminal Dekafix 5 GS N
0132961034-500



Terminal Dekafix 5 GS
0157261203-500

Cat. No.



Vario Connector overview



Terminal VC complete 1x3p

667109-1/3

Pack. unit: 200



Terminal VC complete 1x6p

667109-1/6

Pack. unit: 200



Terminal VC complete 1x9p

667109-1/9

Pack. unit: 200



Terminal VC complete 2x3p

667109-2/3

Pack. unit: 200



Terminal VC complete 3x2p

667109-3/2

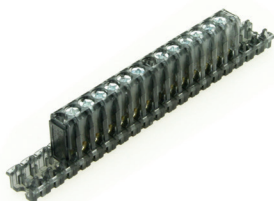
Pack. unit: 200



Terminal VC complete 1x6p

667119-1/6

Pack. unit: 200



Terminal VC complete 2x6p

667119-2/6

Pack. unit: 200



Terminal VC complete 2x9p

667119-2/9

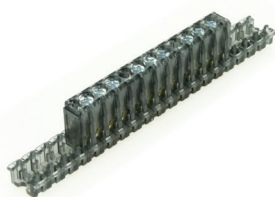
Pack. unit: 200



Terminal VC complete 3x2p

667119-3/2

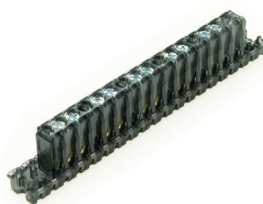
Pack. unit: 200



Terminal VC complete 3x3p

667119-3/3

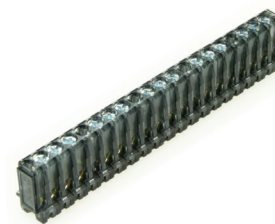
Pack. unit: 200



Terminal VC complete 5x2p

667119-5/2

Pack. unit: 200

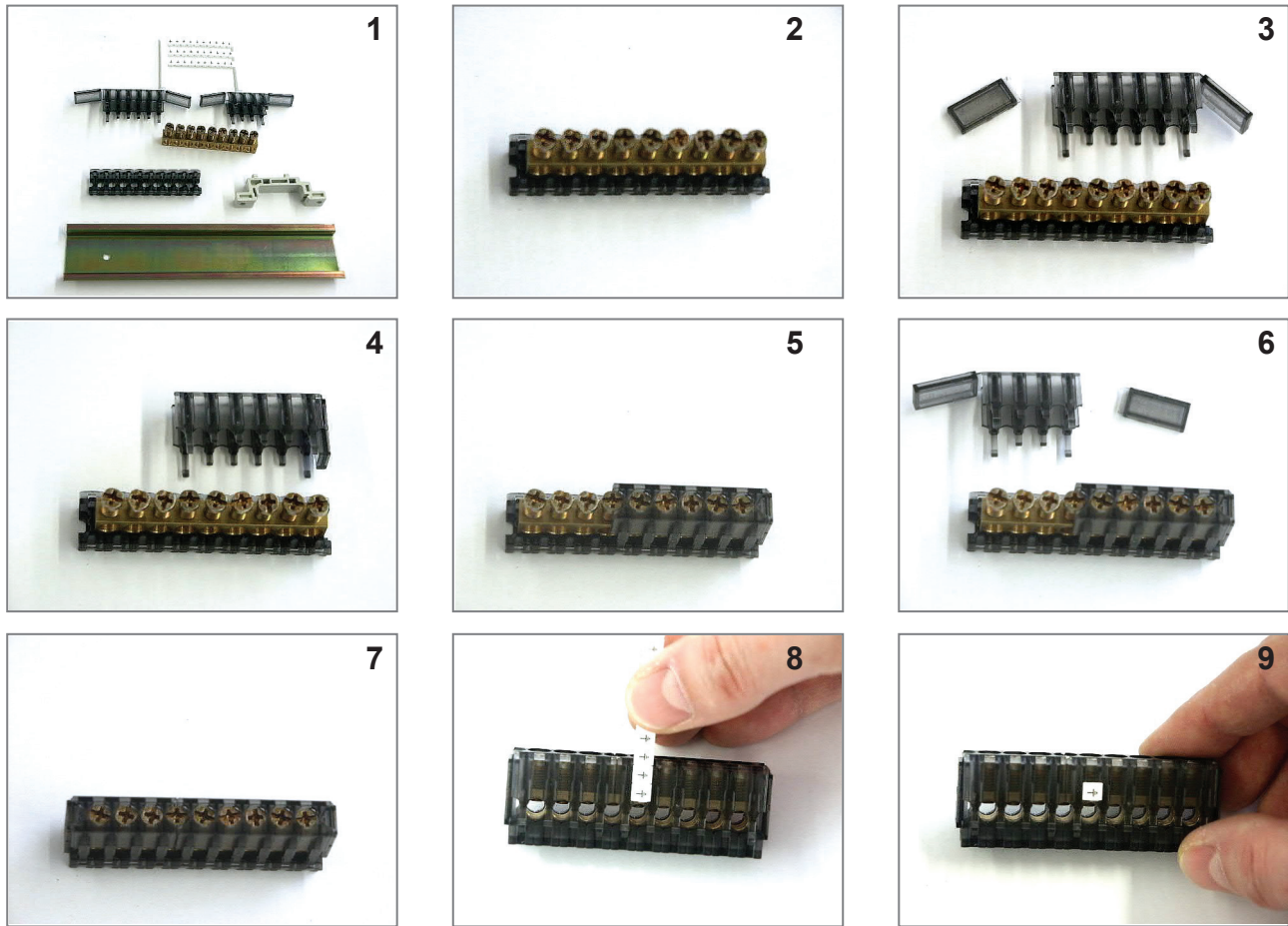


Terminal VC complete 5x3p

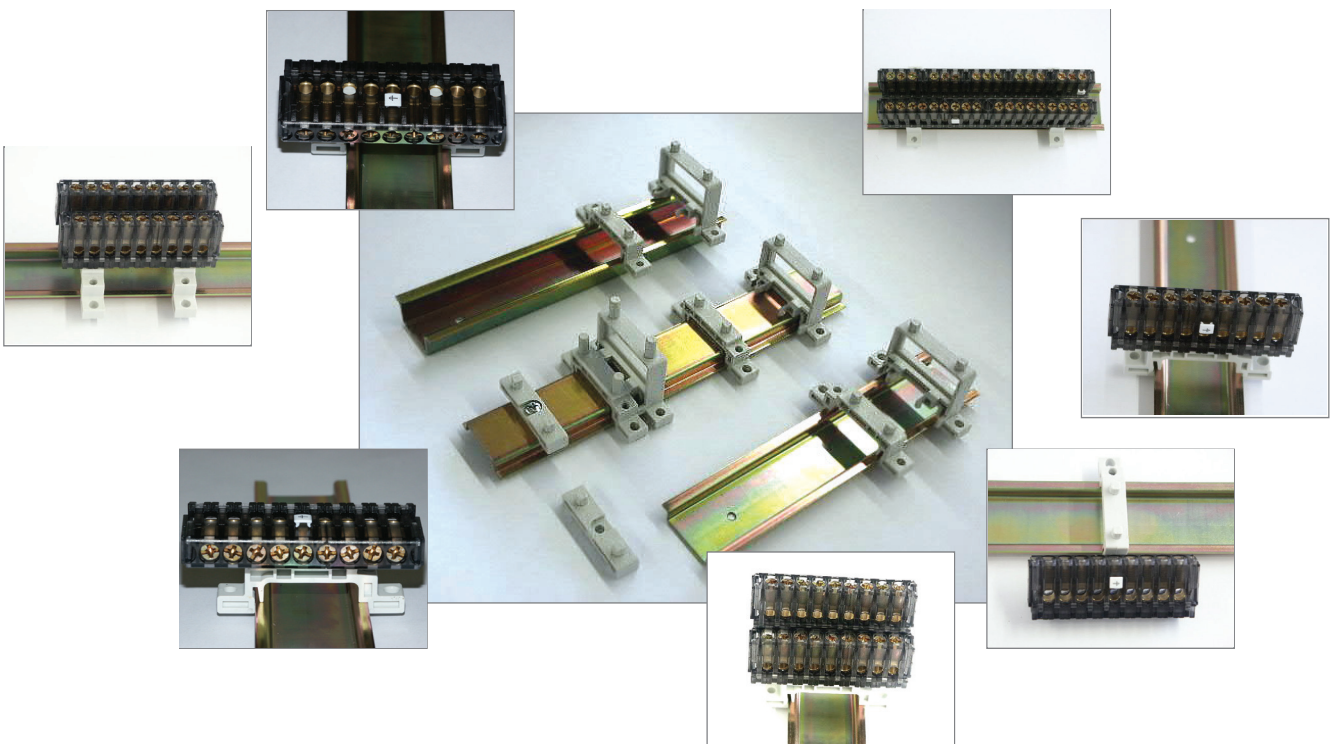
667119-5/3

Pack. unit: 200

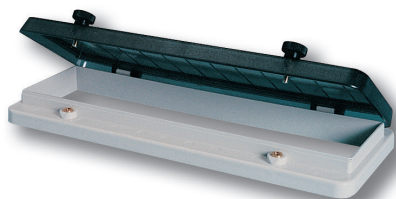
Vario Connector example with basis 9



Vario Connector examples

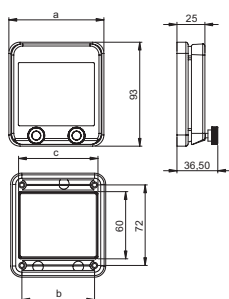


Hinged windows – fuse window IP66/67



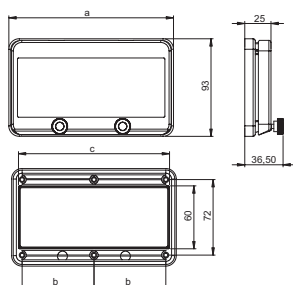
Technical characteristics:

- especially compact (robust) design, made of shock-resistant polycarbonate
- for **distributor's construction, O.E.M's, panel builders**, etc.
- sprung-loaded window with integrated knurled screws
- size of hinged window suitable for **2, 4, 5, 6, 8, 10, 13, 18 modules** (17,5mm each)
- mounting frame made of shock-resistant polycarbonate with integrated gasket for flange mounting
- all metal parts corrosion-resistant
- IP66/67 watertight



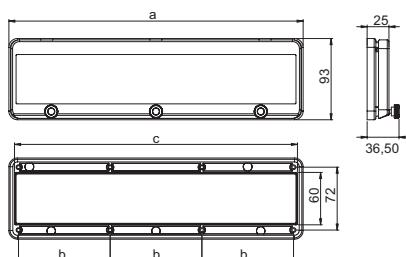
Hinged window 2 / 4 modules

	a [mm]	b [mm]	c [mm]	Weight [g]	pack.unit	Cat.No.
2 Modules	49	27	36	51	40	900602
4 Modules	85	65	72	80	20	900604



Hinged window 5 / 6 / 7 / 8 / 9 / 10 / 12 / 13 modules

	a [mm]	b [mm]	c [mm]	Weight [g]	pack.unit	Cat.No.
5 Modules	103	41,5	90	90	20	900605
6 Modules	121	50,5	108	102	15	900606
7 Modules	139	59,5	126	114	15	900607
8 Modules	157	68,5	144	126	15	900608
9 Modules	175	77,5	162	133	15	900609
10 Modules	193	86,5	180	145	15	900610
12 Modules	229	104,5	216	168	10	900612
13 Modules	247	113,5	234	180	10	900613

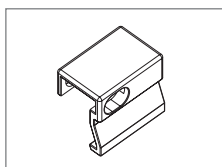


Hinged window 18 modules

	a [mm]	b [mm]	c [mm]	Weight [g]	pack.unit	Cat.No.
18 modules	337	105	324	245	12	900618

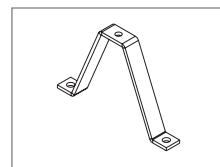
Accessories for IP66/67:

Locking- and lead-sealing device with padlock (40 mm)



ts9000g

Mounting clamp for DIN-rail H=53 mm



19892

Hinged windows – fuse window IP54

Technical data:

- especially compact (robust) design, made of shock-resistant polycarbonate
- for **distributor's construction, O.E.M's panel builders, etc.**
- self-closing window
- size of hinged window suitable for **4, 6, 8, 9, 10, 11, 12, 13, 14, 18 modules** (17,5mm each)
- bearing by means of double hinges
- **angle of vee > 180°**
- mounting frame made of shock-resistant polycarbonate with integrated gasket for flange mounting
- all metal parts corrosion-resistant
- transport and installation protection of the window with peel back foil
- integrated free position for lead seal
- window holder included
- Protection degree IP54 in vertical position
- Protection degree IP44 in horizontal position

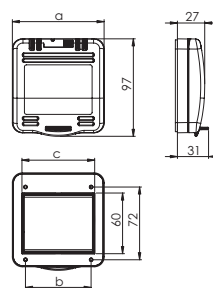


window handle **ti0207**



Hinged window 4 modules

	a [mm]	b [mm]	c [mm]	Weight [g]	pack.unit	Cat.No.
4 modules	92	65	72	97	30	9006504



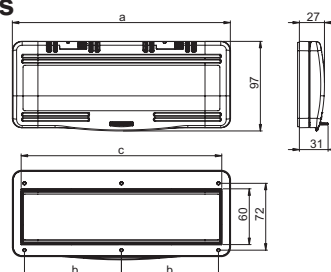
Delivery: incl. window holder (standard colour: black)
Also possible to order separately



ti0007s

Hinged window 6 / 7 / 8 / 9 / 10 / 11 / 12 modules

	a [mm]	b [mm]	c [mm]	Weight [g]	pack.unit	Cat.No.
6 modules	128	51	108	127	20	9006506
7 modules	139	59,5	126	146	15	9006507
8 modules	164	69	144	155	15	9006508
9 modules	182	78	162	166	15	9006509
10 modules	200	87	180	181	10	9006510
11 modules	218	96	198	198	10	9006511
12 modules	236	105	216	207	10	9006512



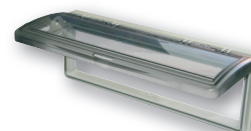
Examples of use for window holder:



for fit-up aid



receptacle - padlock



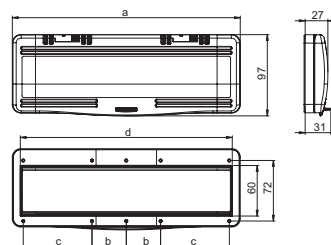
window holder for service works 90°



window holder for service works 180°

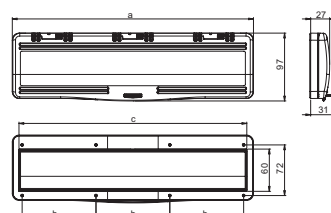
Hinged window 13 / 14 modules

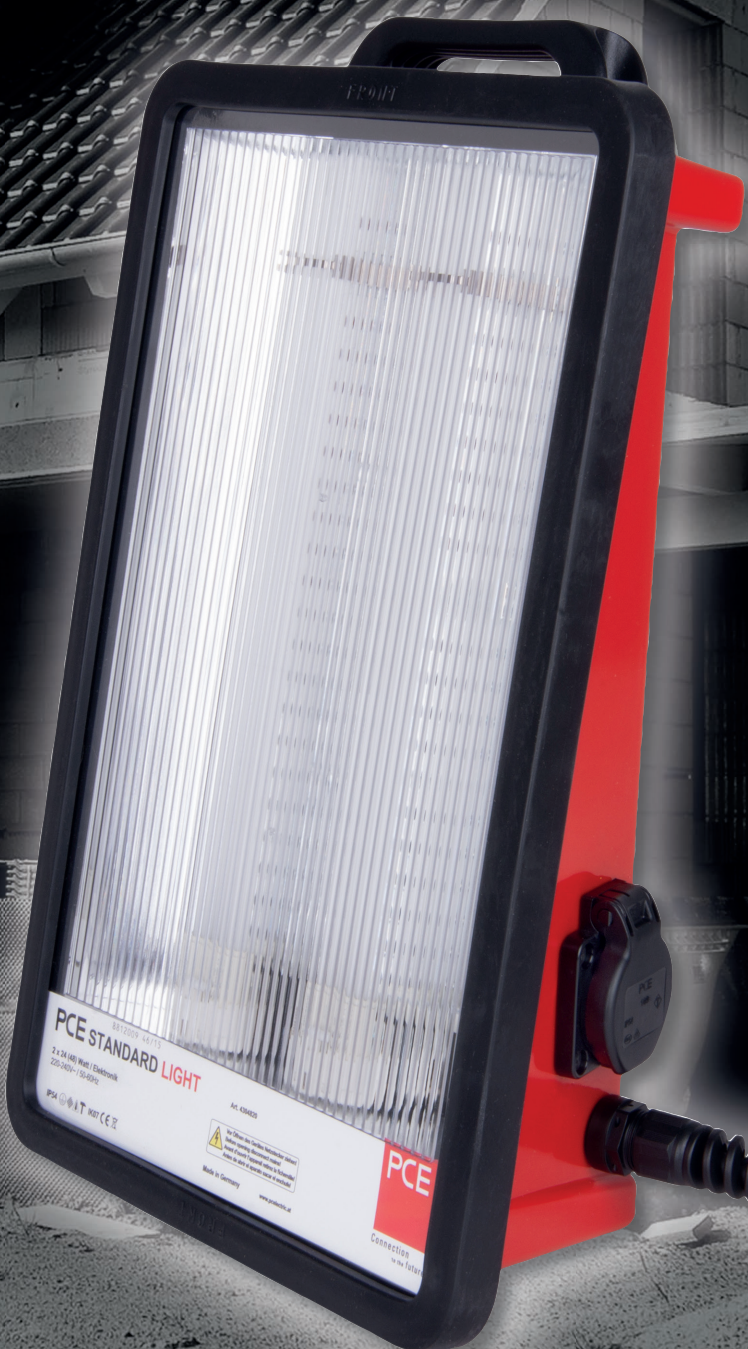
	a [mm]	b [mm]	c [mm]	d [mm]	Weight [g]	pack.unit	Cat.No.
13 modules	253	41	73	233	223	10	9006513
14 modules	272	41	82	252	232	10	9006514



Hinged window 18 modules

	a [mm]	b [mm]	c [mm]	Weight [g]	pack.unit	Cat.No.
18 modules	344	105	324	299	10	9006518





work lights

Work lights - mobile

PCE mini LED

4303020

Power: 30W
 Lighting current: 2742 lm
 Luminous colour: 4000 Kelvin
 Voltage: 220-240V~ (50-60Hz)
 Dimensions: (WxHxD): 213 x 410 x 145mm
 Cable: 5m H07RN-F 3G1,5 with safety plug
 Housing / colour: 2-component plastic/rubber, red-black
 IP rating: **IP54**    
 Incl. switch (ON/OFF) and additional safety socket with lid on the side.



PCE mini light

4302420

Power: 1 x 24W
 Lighting current: 1394 lm
 Voltage: 220-240V~
 Ballast: electron. HF ballast (50-60Hz)
 Dimensions: (WxHxD): 213 x 410 x 145mm
 Cable: 5m H07RN-F 3G1,5 with safety plug
 Housing / colour: 2-component plastic/rubber, red-black
 IP rating: **IP54**    
 Incl. safety socket with lid on the side.
 Exchangeable quality bulb TC-L Coolwhite / 840



PCE standard light

4304820

Power: 2 x 24W (48W)
 Lighting current: 2531 lm
 Voltage: 220-240V~
 Ballast: electron. HF ballast (50-60Hz)
 Dimensions: (WxHxD): 285 x 440 x 135mm
 Cable: 5m H07RN-F 3G1,5 with safety plug
 Housing / colour: plastic, red-black
 IP rating: **IP54**    
 Incl. safety socket with lid on the side.
 Exchangeable quality bulb TC-L Coolwhite / 840



PCE maxi light

4310820

Power: 3 x 36W (108W)
 Lighting current: 5688 lm
 Voltage: 220-240V~
 Ballast: electron. HF ballast (50-60Hz)
 Dimensions: (WxHxD): 378 x 505 x 165mm
 Cable: 5m H07RN-F 3G1,5 with safety plug
 Housing / colour: 2-component plastic/rubber, red-black
 IP rating: **IP54**    
 Incl. 2 pcs. safety socket with lid (backside) and ON/OFF switch
 Exchangeable quality bulb TC-L Coolwhite / 840



Accessories for mobile work lights



KLICK-FIX quick fastening system

Sturdy, fast fixation (swivelling)
Simple, fast mounting



43030201

PCE mini / standard / maxi



Swivelling wall-holder

Swivelling holder for wall mounting

4304010

PCE mini / standard / maxi



Turn- and swivelling wall-holder

Turnable and swivelling holder for wall mounting

4304011

PCE mini / standard / maxi



Scaffolding holder with pipe clamp

Holder for scaffolds with pipe clamp (pipe diameter 48-53 mm)

4304012

PCE mini / standard / maxi



STAND TRIPOD (3-pcs.)

Solid, simple tripod (3-pieces)
Zinc coated metal with handle
Height adjustable up to 2,75m

70015

STAND TRIPOD (3-pcs.) with wheels

Solid, simple tripod (3-pieces)
Zinc coated metal with handle
Height adjustable up to 2,75m
Incl. 3 rotatable, removable wheels (Ø50mm, one wheel with stop function)

70019

Accessories for mobile work lights

Magnet holder

Magnet holder (2xmagnets), fix mounting



4304013

PCE standard

Magnet holder

Magnet holder (3xmagnets), fix mounting, swivelling, incl. cable holder



4304014

PCE standard

Magnet holder

Magnet holder (3xmagnets), fix mounting, swivelling



4304015

PCE maxi

Magnet holder

Magnet holder (2xmagnets), KCLICK-FIX fastening system, swivelling



4304016

PCE mini / standard

Spare bulb TC-L 840 2G11 (coolwhite)

4304017

24W PCE mini/standard

L= 325mm

4304018

36W PCE maxi

L= 430mm



LED hand lamp



LED-hand lamp LED-LUX with 20 high-power SMD-LEDs

LED-Lux - top model in the field of professional hand lamps.

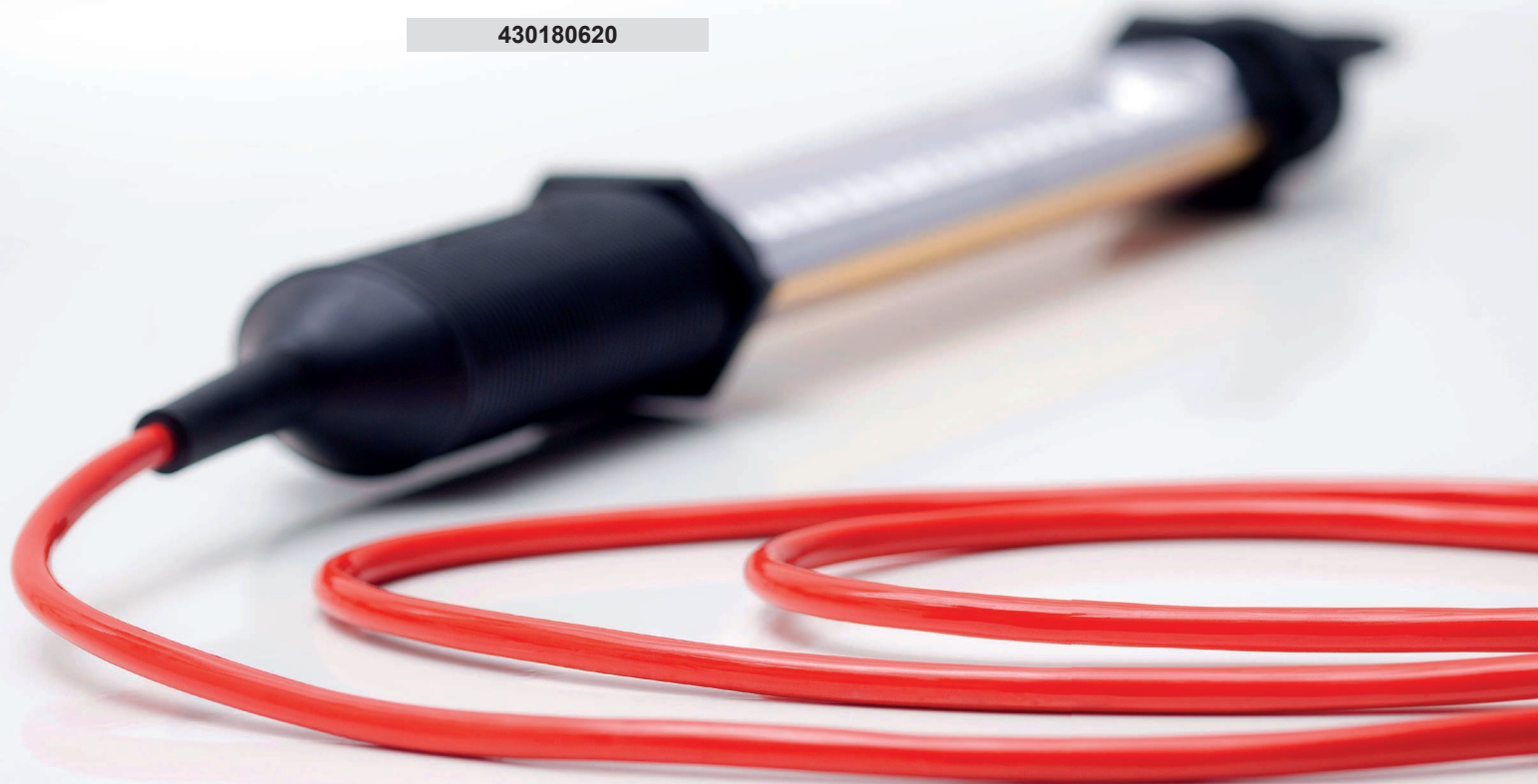
The 2 mm strong protection tube out of CAB being oil- and petrol resistant, the hook with anti-twist notches, the slim construction and the availability of spare parts make the LED-Lux an extremely rugged, flexible and reliable companion for daily workshop applications.

20 high-power SMD-LEDs provide a luminous flux of 620 Lumen; that is nearly twice as much as a regular 8-Watt hand lamp can offer. With an angle of reflected beam of 120° the illumination is evenly distributed and guarantees comfortable working.

Technical details LED-LUX hand lamp:

Power:	6W
Lighting current:	620 lm
Voltage:	220-240V~ (50-60Hz)
Ballast:	electronic ballast (EVG)
Light unit:	interchangeable LED-unit with 20 high-power SMD-LEDs
Angle of beam:	120°
Colour temperature:	4200K
Material:	protection tube = CAB, handle = thermoplast elastomere (TPE) Lifoflex
Dimensions:	(WxHxL): 67 x 45 x 475 mm
Cable:	5m H05BQ-F 2x1mm ² (red) FLEX with contour plug
IP rating:	IP64  IK08  

430180620



LED battery-powered hand lamps

LED battery-powered hand lamp with magnets with 21 LED-worklight and 5 LED-spot

Ingress protection IP40; protection class II; pressure-resistant plastic housing;
operating time up to 8 hours, charging time approx. 5 hours, state of charge indicator,
two operating modes: 21 LEDs / 5 LEDs-Spot, ; Li-ion-battery 3,7V/2000mAh;
dimensions: 250x55x43mm
Including compact charger 230V with 1,7 m power supply cable and car charger 12V

740063



LED light with rechargeable battery, 5x3W

The rechargeable lamp type 5x3W is a modern working and inspection lamp, which is for varied uses and applications such as:

- Inspection lamp for maintenance purposes
- Work light
- Private use

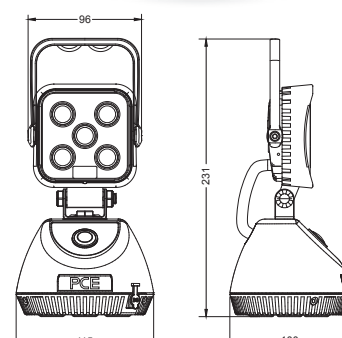
450011



Technical data LED battery lamp 5x3W:

LED: 5x3W 900 lm
Housing material: Plastic shockproof gummed, aluminium lamp head black
Weight: approx.850g incl. rechargeable battery
Ingress protection: IP 65
Battery/voltage: Battery Lithium-Ion 7,4VDC 4400mAh
Charger: 230VAC 50/60Hz IP20, Car 12/24VDC/8,4VDC
optional 5-times charger 230VAC
Light function: 100% / 60% / SOS / OFF
Lighting time: mode 100% approx. 5h, mode 60% approx. 9h
Capacity display: GREEN>65%, YELLOW 25-65%, RED 10-25%, RED blinking <10%
Temperature range: -20°C to +45°C (charge +10°C to +30°C)

Additional features: Base with magnet 4x50N, handle can be swivelled 180°



Option: charger 5-times 230V/70VA

for simultaneous charging of 5 pcs. lights

450012





The better cable reel.



Top carrying comfort
ergonomic handle

Central panel
different versions available

Water drainage
openings in the drum

Safety
thermal circuit breaker,
operating display
(optional)

Stable crank
perfect handling



This newly developed cable reel in different versions fits perfectly into the current requirements of household and industry.

The series XREEL® offers a modern design in very high quality. Numerous functions and many new advantages leave no wishes left over.

XREEL® - The better cable reel.

- **Carrying rack and drum made of special plastics**
- **Ergonomic formed handle**
- **Parking positions for the plug on both sides**
- **Brake mechanism patented**
- **Different central discs and cables available**

Rugged cable reel
made of high quality plastic

Appealing design
modern geometry

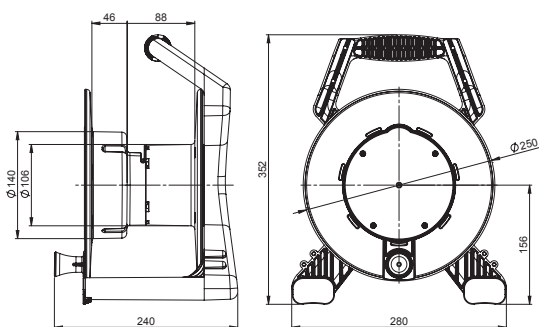
Brake system
centric placed in spindle

Plug parking spaces
for safe storage of the plug

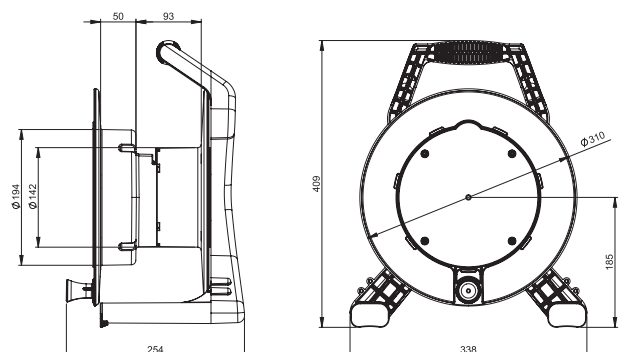
Reliable stand
due to wide supporting points



XREEL® 250



XREEL® 310



XREEL® 250

Cable reel made of special plastics Ø250mm

Stable carrying rack with ergonomic handle made of extremely durable plastic, central brake mechanism as well as 2 parking positions for the plug.

Equipment:

- 4 x safety sockets with child protection (shutter) 16A 250V
- Thermal protection, power indicator light and safety plug (rubber) with dual earthing system

Cable length	Cable type		Cable colour	IP	Weight	Cat.No.
25m	H05RR-F	3G1,5	black	IP20	4,6 kg	9250005-p
25m	H05VV-F	3G1,5	black	IP20	4,6 kg	9250002-p
25m	N07V3V3-F	3G1,5	yellow	IP20	4,9 kg	9250003-p*



Equipment:

- 4 x safety sockets with child protection (shutter), sealing bulge and self closing hinged lid 16A 250V
- Thermal protection, power indicator light and safety plug (rubber) with dual earthing system

Cable length	Cable type		Cable colour	IP	Weight	Cat.No.
25m	H05RR-F	3G1,5	black	IP54	4,7 kg	9250006-p
25m	H05VV-F	3G1,5	black	IP54	4,7 kg	9250004-p
25m	N07V3V3-F	3G1,5	yellow	IP54	5,0 kg	9250156-p
25m	H05RR-F	3G1,5	black	IP54	4,7 kg	9250007-p*



Equipment:

- 3 x safety sockets (individual exchangeable), sealing bulge and self closing hinged lid 16A 250V
- Thermal protection and safety plug (solid rubber) with dual earthing system

Cable length	Cable type		Cable colour	IP	Weight	Cat.No.
25m	N07V3V3-F	3G1,5	yellow	IP54	5,0 kg	9250121-p
20m	N07V3V3-F	3G2,5	yellow	IP54	5,7 kg	9250020-p
25m	H07RN-F	3G1,5	black	IP54	5,1 kg	9250012-p
25m	H07BQ-F	3G1,5	orange	IP54	5,1 kg	9250010-p
25m	H07RN-F	3G1,5	black	IP54	5,1 kg	9250001-p*



Equipment:

- 2 x CEE-socket 16A 3p 4h 110V
- Thermal protection and CEE plug 16A 3p 4h 110V

Cable length	Cable type	Cable colour	IP	Weight	Cat.No.
25m	H07RN-F 3G2,5	black	IP54	6,6 kg	9250008



Equipment:

- 3 x socket 13A 250V British system IP54
- Thermal protection and plug 13A 2p+PE British system IP32

Cable length	Cable type	Cable colour	IP	Weight	Cat.No.
25m	H07RN-F 3G1,5	black	IP32	5,1 kg	9250009

XREEL® 310

Cable reel made of special plastics Ø310mm

Stable carrying rack with ergonomic handle made of extremely durable plastic, central brake mechanism as well as 2 parking positions for the plug.

Equipment:

- 4 x safety sockets (individual exchangeable), sealing bulge and self closing hinged lid 16A 250V
- Thermal protection, power indicator light and safety plug (solid rubber) with dual earthing system

Cable length	Cable type	Cable colour	IP	Weight	Cat.No.
25m	N07V3V3-F 3G1,5	yellow	IP54	6,0 kg	9350156-p
25m	N07V3V3-F 3G2,5	yellow	IP54	7,9 kg	9350154-p
40m	N07V3V3-F 3G1,5	yellow	IP54	8,2 kg	9350164-p
50m	N07V3V3-F 3G1,5	yellow	IP54	9,6 kg	9350161-p
25m	H07BQ-F 3G2,5	orange	IP54	6,9 kg	9350159-p
40m	H07RN-F 3G2,5	black	IP54	10,9 kg	9350202-p
40m	H07RN-F 3G2,5	black	IP54	10,9 kg	9350025-p*



Cable reel made of special plastics Ø310mm

Stable carrying rack with ergonomic handle made of extremely durable plastic and central brake mechanism.

Equipment:

- 1 x CEE socket 16A 5p 6h 400V
- 3 x safety sockets (individual exchangeable), sealing bulge and self closing hinged lid 16A 250V
- Thermal protection and CEE-plug 16A 5p 400V

Cable length	Cable type	Cable colour	IP	Weight	Cat.No.
25m	N07V3V3-F 5G2,5	yellow	IP54	10,6 kg	9350180-p
25m	H07BQ-F 5G2,5	orange	IP54	9,7 kg	9350189-p



Cable reel made of special plastics Ø310mm

Stable carrying rack with ergonomic handle made of extremely durable plastic and central brake mechanism.

Equipment:

- 3 x safety sockets 16A 250V IP68 (watertight)
- Thermal protection and safety plug 16A 250V IP68

Cable length	Cable type	Cable colour	IP	Weight	Cat.No.
25m	N07V3V3-F 3G2,5	yellow	IP54	8,1 kg	9350029-p
25m	H07BQ-F 3G2,5	orange	IP54	7,1 kg	9350210-p

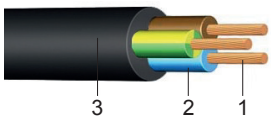
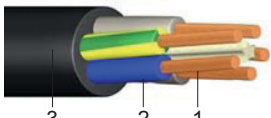
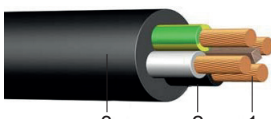
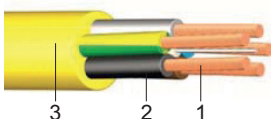
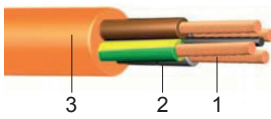


Recommended max. cable lengths (approximate value) XREEL® 250 / 310 [m]

XREEL® 250 / 310	H05VV-F	H05RR-F	H07RN-F	N07V3V3-F	H07BQ-F
3G1,5	45 / 50	45 / 50	40 / 50	40 / 50	45 / 50
3G2,5	35 / 50	35 / 50	30 / 50	30 / 50	30 / 50
5G1,5	- / 50	- / 50	- / 50	- / 50	- / 50
5G2,5	- / 40	- / 40	- / 30	- / 30	- / 40

General information about cable types see next page!

Cable types

type	Application	Construction	Temperature range
H05VV-F	PVC Sheathed Wire Suitable in dry and humid locations for connections of electrical appliances submitted to medium level mechanical strength, like washing machines, refrigerators, etc. Suitable for heating appliances provided that there is no risk of contact with hot parts.	 1 fine-stranded bare copper 2 polyvinyl chloride (PVC) insulation 3 polyvinyl chloride (PVC) outer sheath	-5°C till +70°C
H05RR-F	Rubber Sheathed Cable for Weak Mechanical Stress For general use in dry locations for connections of electrical apparatus submitted to weak mechanical strength, like vacuum cleaner, kitchen appliance, etc. unsuitable for industrial and agricultural use.	 1 fine-stranded bare copper 2 core insulation of rubber 3 outer sheath of ordinary ethylene propylene rubber, black	-25°C till +60°C
H07RN-F	Rubber Sheathed Cable for Medium-Level Mechanical Stress For general use in dry, humid and wet locations, for outdoor use, for agricultural applications or in locations subject to explosion hazards. Also suitable for connections of industrial and workshop electrical equipment submitted to medium-level mechanical stress. It can be used for fixed installations in temporary buildings as well as for connections of mobile machines and hoists.	 1 fine-stranded bare copper 2 EPR rubber insulation 3 outer sheath of polychloroprene compound (EM2), black, abrasion and oil resistant, flame retardant	-25°C till +60°C
N07V3V3-F	PVC Building Site Cable This cable is suitable for connecting electrical equipment particularly on building sites. It is used in dry and damp locations, outdoors and in areas with explosion hazard.	 1 fine-stranded bare copper 2 core insulation of cold-resistant polyvinyl chloride(PVC) 3 outer sheath of cold-resistant polyvinyl-chloride (PVC), yellow	-35°C till +70°C
H07BQ-F	Polyurethane Building Site Cable with Rubber Insulated Conductors This termination and connection cable with high mechanical stress-resistance can be used in dry, damp or wet rooms as well as in the open-air. It is ideal for application in industrial plants, building sites, in fact everywhere where extreme wear and tear resistance is required and where the cable is subjected to hard utilisation.	 1 fine-stranded tinned or bare copper 2 core insulation of a rubber compound (EL6) 3 outer sheath of polyurethane (PUR), orange	-40°C till +90°C

Cable protector bridges

Cable protector bridge DEFENDER 3

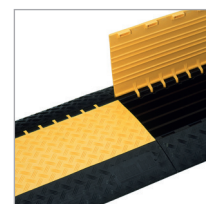
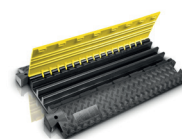
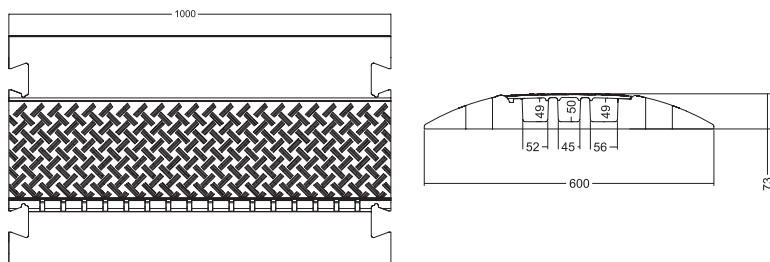
with anti slip surface and yellow hinged lid. Made of polyurethane, individual expandable with boltet on adapters.

Tire weight : approx. 5 tons on a surface of 20x20cm.

Dimensions: LxWxH = 1000x600x73mm **Weight:** 22kg

Cable channels: 3 pcs.

85002



Cable protector bridge DEFENDER Midi 4C

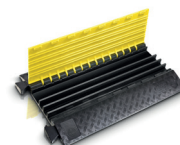
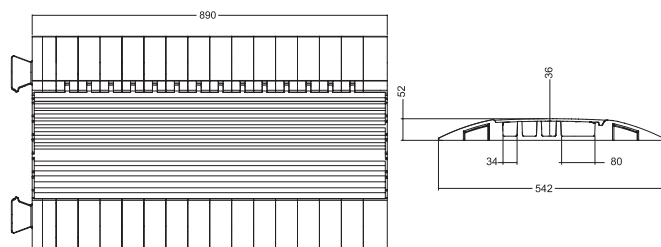
with anti slip surface and yellow hinged lid. Made of polyurethane, individual expandable with boltet on adapters.

Tire weight : approx. 5 tons on a surface of 20x20cm.

Dimensions: LxWxH = 890x542x52mm **Weight:** 11,5kg

Cable channels: 4 pcs.

85301



Cable protector bridge DEFENDER Mini

with anti slip surface and hinged lid. Lid available in yellow or black. Made of polyurethane, individual expandable

Tire weight : approx. 2 tons on a surface of 20x20cm.

Dimensions: LxWxH = 1000x290x48mm **Weight:** 5kg

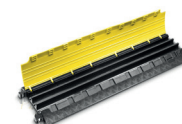
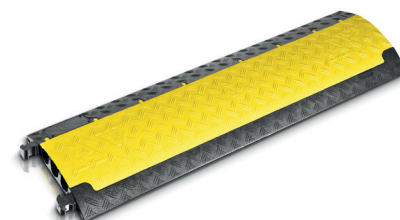
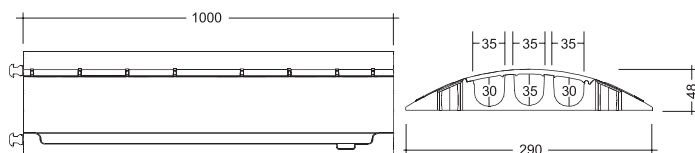
Cable channels: 3 pcs.

85200

cover: yellow

85200BLK

cover: black



85200BLK

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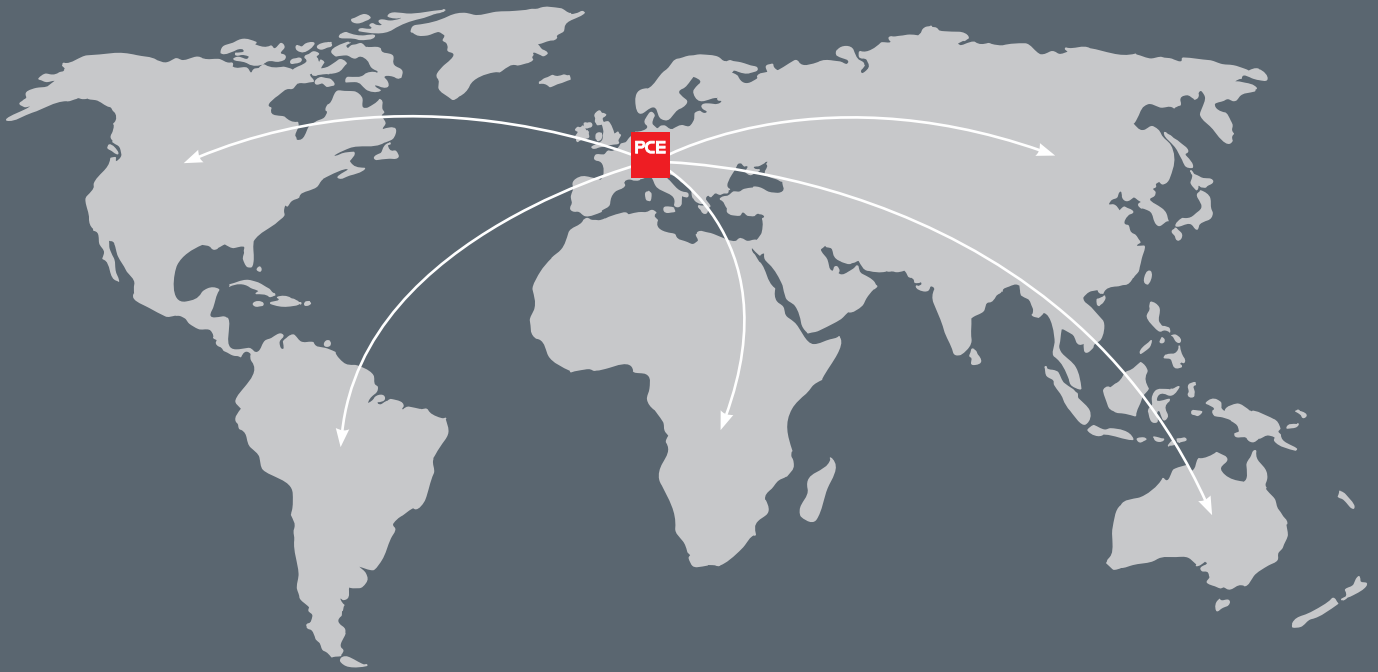
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