



**PCE**

Connection  
to the future



**Industrial Plugs and Sockets**

2014/15

MADE IN AUSTRIA



Connection  
to the future



# 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 (EN 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**, Schönwald, Germany



## ■■■ QUALITY MANAGEMENT SYSTEM

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

## ■■■ CUSTOMER FOCUS

- Reliable service
- Functional design
- Tailor-made solutions
- Short delivery times

## ■■■ RESEARCH AND DEVELOPMENT

- Cost-effective and innovative manufacturing
- Numerous patent applications

## ■■■ GLOBAL PRESENCE

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







■ ■ ■ **PCE MERZ, Gaildorf, Germany**

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



- **Mobile power distributors**  
Assemblies for Construction Sites  
Event Distributor  
Underfloor Distributors



- **Testing technology**  
Test panels  
Stationary test and workstation systems  
Mobile test systems



- **Sheet Metal Technology**  
Sheet metal parts according to customer  
MERZBOX  
Balcony cladding



- **Switchgear**  
Cam switches  
Disconnect Switches  
DC-switches


















- ■ ■ The company MOSER SYSTEMELEKTRIK is specialized in underground energy systems and connection columns.



- ■ ■ 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.



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# Information

## CERTIFICATION ACCORDING TO EN ISO 9001 : 2008

The PCE quality management system has been certified according to the standard DIN EN 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:

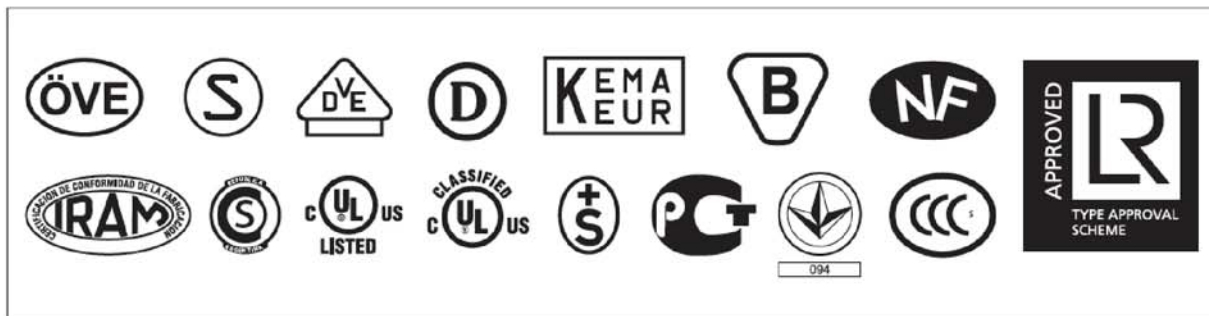
**RoHS: DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment**

**EMC: DIRECTIVE 2004/108/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility and repealing Directive 89/336/EEC**

**LVD: DIRECTIVE 2006/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 December 2006 on the harmonisation of the laws of Member States relating to 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.

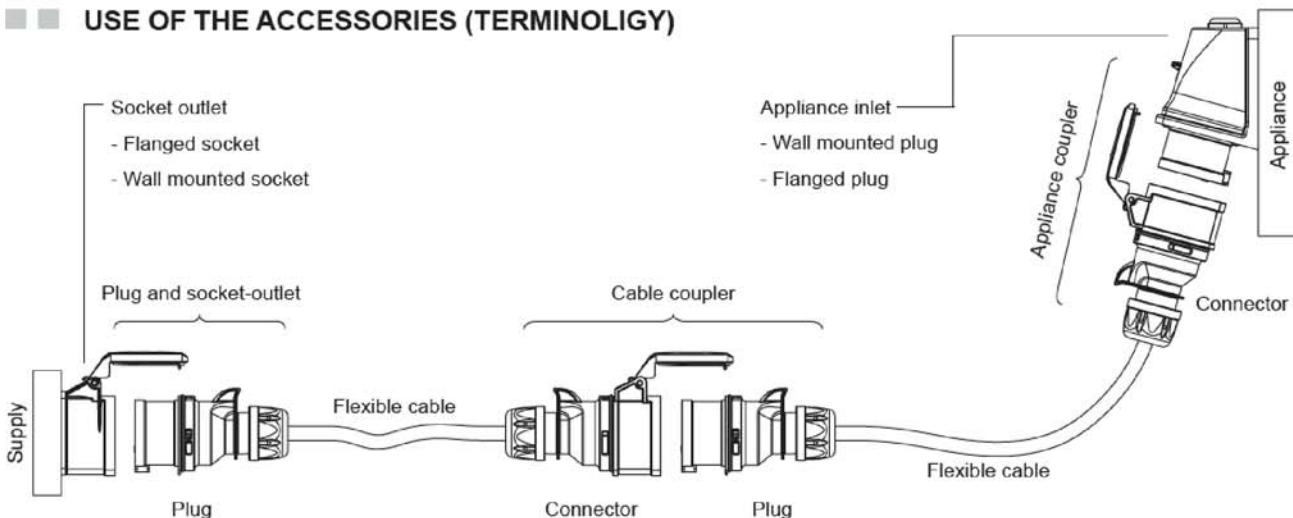
## SYSTEM

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 <sup>2</sup> ]	1 - 2,5
solid [mm <sup>2</sup> ]	1 - 4
Contact screws [Ncm]	100 Ncm
Rated current	2A

## PCS (PILOT CONTACT SYSTEM):

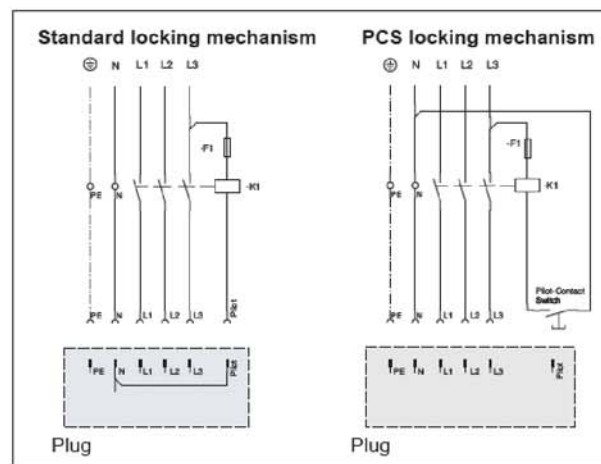
The PCS is a built-in auxiliary contact, used only for 63A and 125A connectors and socket-outlets, for protective electrical interlocking or for additional control purposes, with isolated connection in the socket-outlet. CEE connectors and sockets have longer phase contacts and guarantee no finger protection;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

- 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 <sup>2</sup> ]	wire solid (single or stranded) [mm <sup>2</sup> ]		
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	12 - 18
125A - CEE	16 - 50	16 - 70	100	18 - 20
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





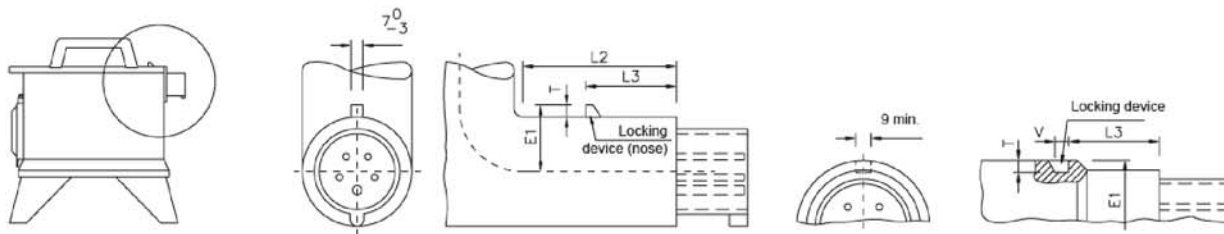
# Information

## 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 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	59-60	55,5-57	≥8	≥9

## CONTACTS

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

- high electric conducting capacity 15m/(Ohm mm<sup>2</sup>);
- high resistance to extension up to 103 kN/mm<sup>2</sup>;
- 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 2002/95/EG (page 9)
- PCE sockets 63A and 125A have a CuBe lamellar spring for a well contacting and anti-corrosion contacts (page 17).

## 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

Chemicals	Concentration	Resistance	
		PA6	PC/ABS
glycerin		+	o
calcium 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%	-	+
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 media to different resistances.

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

# 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
		8	continuous submersion in water













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

### 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]
16A	Cable gland		500
	Housing screws		110
	Connecting screws		110
	Cable gland >50V		600

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



# 16/32A

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

## ■■■ TWIST / SHARK

### Contact screws

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

### No screws needed to assemble the plug

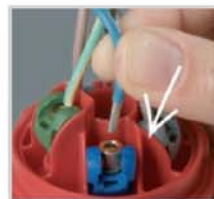
- multi-ramp quick-lock system
- easy fitting by twist-lock action → saves your time

### 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
- 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: from 2,5mm<sup>2</sup> flexible to 4mm<sup>2</sup> solid stripped wires
- 32A: from 6mm<sup>2</sup> flexible to 10mm<sup>2</sup> solid stripped wires

### Flexible stripped wires

- with or without end sleeve or solid stripped wires



# 63/125A

SAFETY

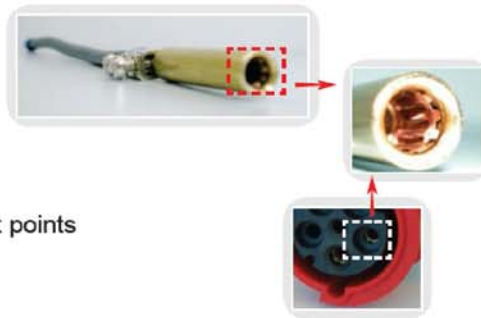
HEAVY DUTY

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, food industries

## ■■■ TIME SAVING

**TWIST-cable gland**

**Optimum grip**

**Wide connection space**

- fast cable installation

**Open contact terminals,  
ready for assembly**



# INDUSTRIAL PLUGS AND SOCKETS

16A - 125A



## Industrial plugs and sockets 16A - 125A

**Plugs**

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**Angled plugs**

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**Wall mounted plugs**

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**Flanged plugs**

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**Connectors**

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# Plugs

## Shark Plug IP44

	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 [mm <sup>2</sup> ]	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		
	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 [mm <sup>2</sup> ]	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		
	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 [mm <sup>2</sup> ]	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

**IP67** watertight

## Turbo Shark Plug IP67

	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	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

**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	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			

**TURBO SHARK**  
click



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			

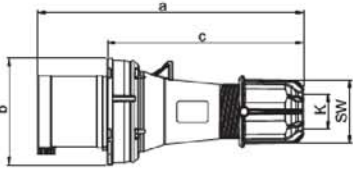
**TURBO SHARK**  
click



0152-6TT



# Plugs

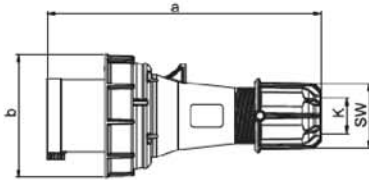


## Power Twist Plug IP44

	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 [mm <sup>2</sup> ]	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

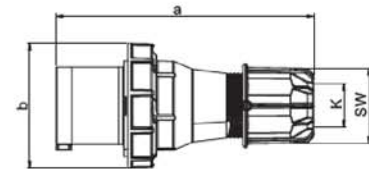


## Power Twist Plug IP66/67

	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 [mm <sup>2</sup> ]	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 [mm <sup>2</sup> ]	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:

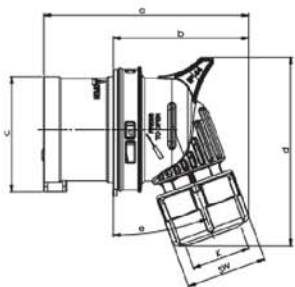
- Simple and fast insertion of the cable
- Strain-relief and sealing of the cable by tightening the cable gland
- All current cables for 63A from  $\varnothing 14,5\text{mm}$  to  $\varnothing 36\text{mm}$  for 125A from  $\varnothing 22,5\text{mm}$  to  $\varnothing 50\text{mm}$
- 100% Tightness of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

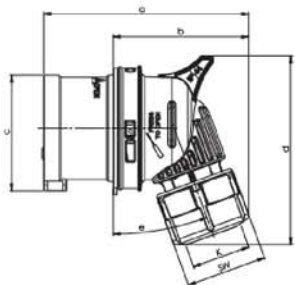


## Twist Angled plug IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
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

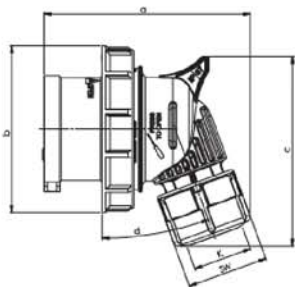


## Turbo Twist Angled plug IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
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

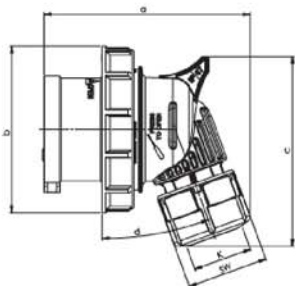


## Twist Angled plug IP67

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

**TURBO**  
TWIST  
click



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			



example for connection

**TURBO**  
TWIST  
click



80142-6TT



# Wall mounted plugs

## Wall mounted plug IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

Poles	16 Amp		32 Amp	
	3	5	4	5
a	120	122	131	132
b	76	79	82	85
M	25	25	25	25
Connection type: Screwless terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 and gasket, 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

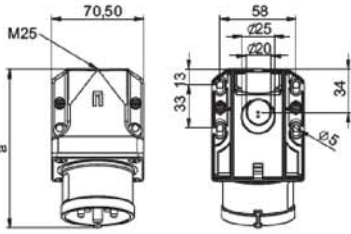
## Wall mounted plug with lid IP44

Pole s	16 Amp		32 Amp	
	3	5	3	5
a		141		151
b		99		112
M*		25		25
Connection type: Screw terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]		257		310

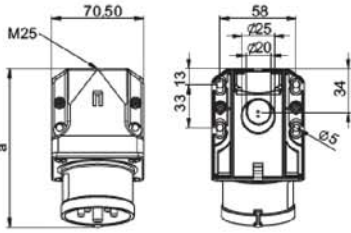
- with screw terminals
- **one-piece housing**
- with hinged lid and gasket, to increase protection
- housing material: PA6
- contacts: brass
  - to order nickel-plated contacts please add a "v" e.g. 515-6kdv
- top and rear entry
- incl. threaded cable grommet

**IP44** splashproof

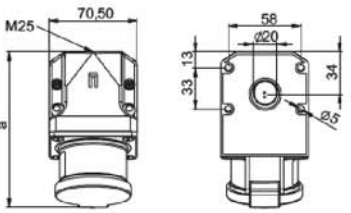
\*M32 optional on request available



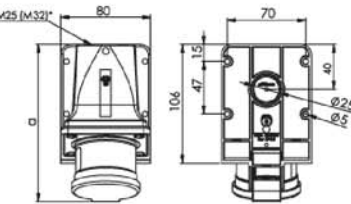
b=height  
angle=15°



b=height  
angle=15°



b=height  
angle=15°



b=height  
angle=15°

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	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



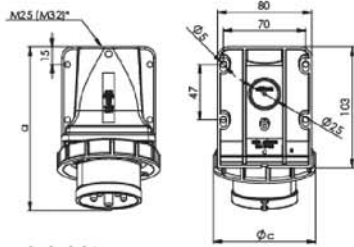
525-6kd

Accessories see page 51





# Wall mounted plugs



b=height  
angle=15°

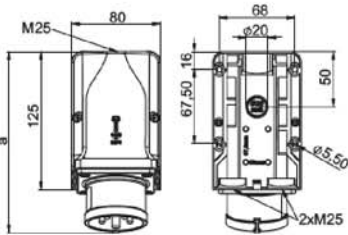
## Wall mounted plug IP67

Poles	16 Amp			32 Amp		
	3	4	5	4	5	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 <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	200	223	242	260	260	306

\*M32 optional on request available

- 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
- incl. threaded bung

**IP67** watertight



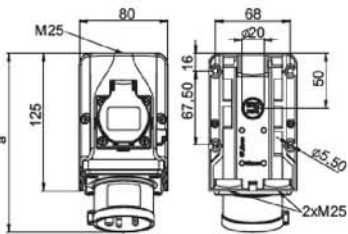
b=height  
angle=15°

## Wall mounted plug IP44

Poles	16 Amp			32 Amp		
	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 <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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



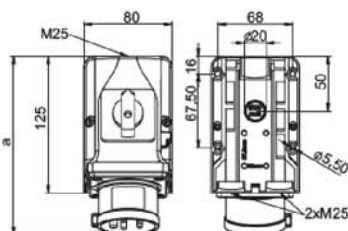
b=height  
angle=15°

## Wall mounted plug - COMBO IP44

Poles	16 Amp			32 Amp		
	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 <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 10mm<sup>2</sup>
- **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



b=height  
angle=15°

## Wall mounted plug with switch IP44

Poles	16 Amp		32 Amp	
	5	5	5	5
a	163	163	173	173
b	128	128	128	128
M	3x25	3x25	3x25	3x25
Connection type: Screw terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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	<b>5142-6k</b>	5142-7k	5142-10k	5142-2k
16	5	5	5152-4k	5152-9k	<b>5152-6k</b>	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	<b>5242-6k</b>	5242-7k	5242-10k	5242-2k
32	5	5	5252-4k	5252-9k	<b>5252-6k</b>	5252-7k	5252-10k	5252-2k



5252-6k



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



9515-6

16	3	5		<b>95213-6</b>				
16	4	5		95214-9	<b>95214-6</b>			
16	5	5			<b>95215-6</b>			
32	3	5		<b>95223-6</b>				
32	4	5		95224-9	<b>95224-6</b>			
32	5	5			<b>95225-6</b>			



95215-6



95225-6

16	5	5						<b>75615-6</b>
32	5	5						<b>75625-6</b>



75615-6

# Wall mounted plugs

## Power Twist Wall mounted plug IP66/67

	63 Amp		
	3	4	5
Poles	3	4	5
a	271	271	271
b	175	175	175
Connection type: Contact frame with screws			
Wire flexible [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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

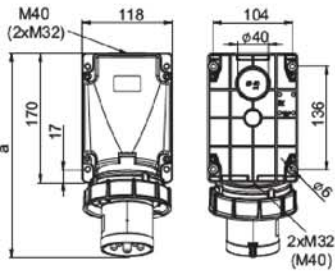
IP66/67 watertight

## Power Twist Wall mounted plug IP66/67

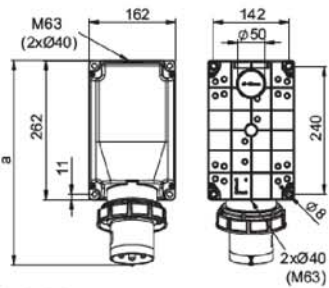
	125 Amp		
	3	4	5
Poles	3	4	5
a	387	387	387
b	209	209	209
Connection type: Contact frame with screws			
Wire flexible [mm <sup>2</sup> ]	16-50		
solid [mm <sup>2</sup> ]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	1620	1725	1834

- 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



b=height  
angle=15°



b=height  
angle=15°



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.
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



**TURBO TWIST**  
click

Screwless terminal:  
16/32A



**POWER TWIST**

Contact frame:  
63/125\*A



\* 125A contact frame with hexagon socket screws

### Screw terminal

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

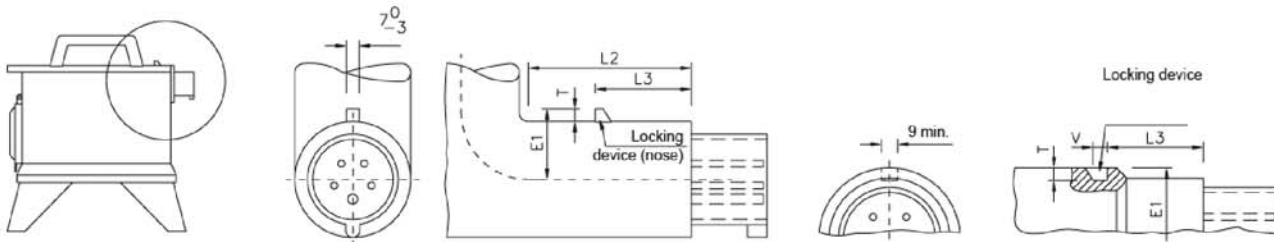
### Screwless terminal

- 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):

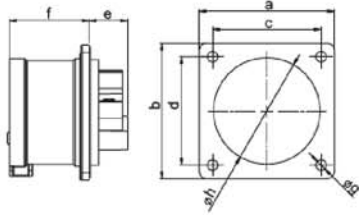
		E1	L2	L3 (IP44)	L3 (IP67)	T	V
16	3	29-31	≥75	40-41	37-38	≥4	≥8
16	4	33-35	≥80	46-47	43-44	≥5	≥8
16	5	37-39	≥90	52-53	49-50	≥7	≥8
32	3	39-41	≥90	53-54	50-51	≥7	≥8
32	4	39-41	≥90	53-54	50-51	≥7	≥8
32	5	44-46	≥105	59-60	55,5-57	≥8	≥9

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





# Flanged plugs

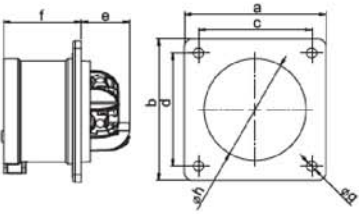


## Flanged plug straight IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles						
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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

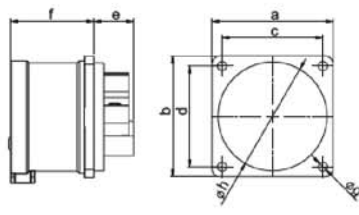


## Turbo Twist Flanged plug straight IP44

	16 Amp		32 Amp	
	3	5	4	5
Poles				
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 [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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

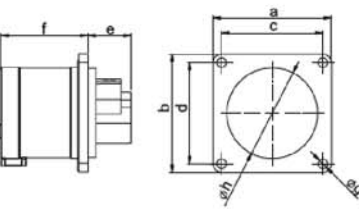


## Flanged plug straight IP44

	16 Amp		
	3	4	5
Poles			
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 [mm <sup>2</sup> ]	1-2,5		
solid [mm <sup>2</sup> ]	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	
	3	4
Poles		
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 [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	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	<b>613-6</b>	613-9	613-7	613-10	613-2
16	4	10	614-4	614-9	<b>614-6</b>	614-7	614-10	614-2
16	5	10	615-4	615-9	<b>615-6</b>	615-7	615-10	615-2
32	3	10	623-4	<b>623-6</b>	623-9	623-7	623-10	623-2
32	4	10	624-4	624-9	<b>624-6</b>	624-7	624-10	624-2
32	5	10	625-4	625-9	<b>625-6</b>	625-7	625-10	625-2



625-6



flange 70 x 70 - fixing center 56 x 56

16	3	10	613-4TT	<b>613-6TT</b>	613-9TT
16	5	10	615-4TT	615-9TT	<b>615-6TT</b>
32	4	10	624-4TT	624-9TT	<b>624-6TT</b>
32	5	10	625-4TT	625-9TT	<b>625-6TT</b>



613-4TT

flange 60 x 60 - fixing center 50 x 50

16	3	10	613-4f6	<b>613-6f6</b>	613-9f6	613-7f6	613-10f6	613-2f6
16	4	10	614-4f6	614-9f6	<b>614-6f6</b>	614-7f6	614-10f6	614-2f6
16	5	10	615-4f6	615-9f6	<b>615-6f6</b>	615-7f6	615-10f6	615-2f6



613-6f6

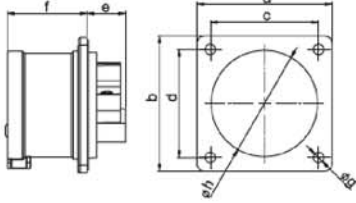
flange 56 x 56 - fixing center 48 x 48

16	3	10	613-4f3	<b>613-6f3</b>	613-9f3	613-7f3	613-10f3	613-2f3
16	4	10	614-4f3	614-9f3	<b>614-6f3</b>	614-7f3	614-10f3	614-2f3



614-6f3

# Flanged plugs

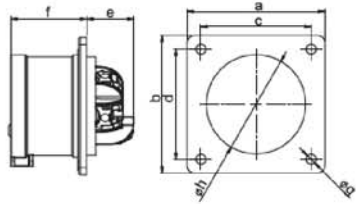


## Flanged plug straight IP44

	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 [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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

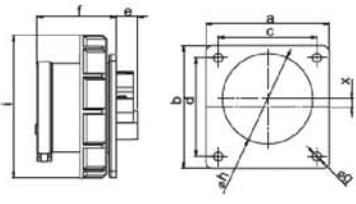


## Turbo Twist Flanged plug straight IP44

	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 [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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

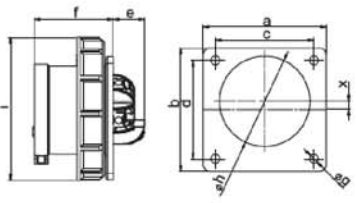


## Flanged plug straight IP44

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange						
a x b	75			75		
Fixing center						
c x d	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 IP44

	16 Amp		32 Amp	
Poles	3	5	4	5
Flange				
a x b	75		75	
Fixing center				
c x d	60		60	
e	20		21	
f	48		58	
g	5,5		5,5	
h	43		55	
i	71		93	
x	11,3		5	
Connection type:	Screwless terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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	



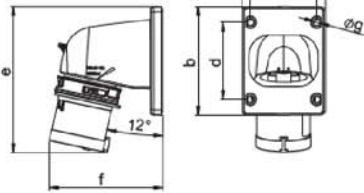
6152-6

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

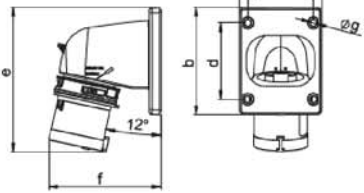
Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5

Connection type:		Screw terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5	2,5-6				
solid [mm <sup>2</sup> ]	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

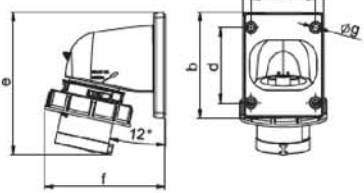
Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5

Connection type:		Screwless terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5	2,5-6				
solid [mm <sup>2</sup> ]	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

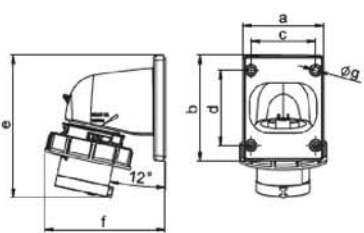
Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	99	103	107	110	110	114
g	5	5	5	5	5	5

Connection type:		Screw terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5	2,5-6				
solid [mm <sup>2</sup> ]	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

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5	2,5-6				
solid [mm <sup>2</sup> ]	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

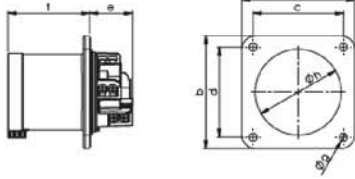
16	3	10	777132-4TT	777132-6TT	777132-9TT			
16	4	10	777142-4TT	777142-9TT	777142-6TT			
16	5	5	777152-4TT	777152-9TT	777152-6TT			
32	3	5	777232-4TT	777232-6TT	777232-9TT			
32	4	5	777242-4TT	777242-9TT	777242-6TT			
32	5	5	777252-4TT	777252-9TT	777252-6TT			



777152-6TT



# Flanged plugs

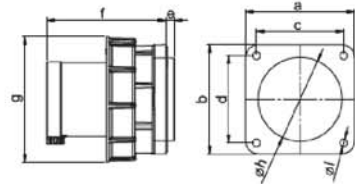


## Power Twist Flanged plug straight IP44

	63 Amp		
	3	4	5
Poles			
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 <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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

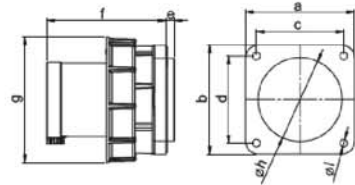


## Power Twist Flanged plug straight IP66/67

	63 Amp		
	3	4	5
Poles			
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 <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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		
	3	4	5
Poles			
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 <sup>2</sup> ]	16-50		
solid [mm <sup>2</sup> ]	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	<b>6341-6k</b>	6341-7k	6341-10k	6341-2k
63	5	2	6351-4k	6351-9k	<b>6351-6k</b>	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	<b>634-6</b>	634-7	634-10	634-2
63	5	2	635-4	635-9	<b>635-6</b>	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	<b>644-6</b>	644-7	644-10	644-2
125	5	2	645-4	645-9	<b>645-6</b>	645-7	645-10	645-2

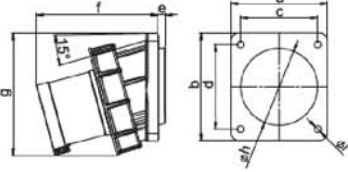


645-6



# Flanged plugs

## Power Twist Flanged plug sloping IP66/67

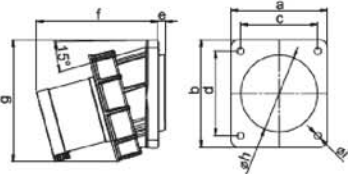


Poles	63 Amp		
	3	4	5
a	100	100	100
b	112	112	112
c	80	80	80
d	88	88	88
e	8	8	8
f	127	127	127
g	127	127	127
h	80	80	80
i	7	7	7
Connection type: Contact frame with screws			
Wire flexible [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	515	566	608

- 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

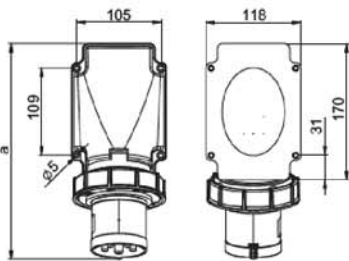


Poles	125 Amp		
	3	4	5
a	120	120	120
b	130	130	130
c	100	100	100
d	108	108	108
e	8	8	8
f	139	139	139
g	145	145	145
h	100	100	100
i	7	7	7
Connection type: Contact frame with screws			
Wire flexible [mm <sup>2</sup> ]	16-50		
solid [mm <sup>2</sup> ]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	833	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

## Power Twist Flanged plug IP66/67

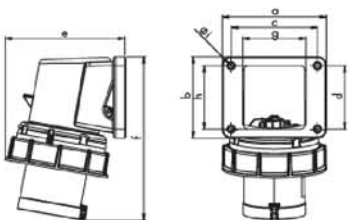


Poles	63 Amp		
	3	4	5
a	271	271	271
b	124	124	124
Connection type: Contact frame with screws			
Wire flexible [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	653	704	746

- 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 [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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

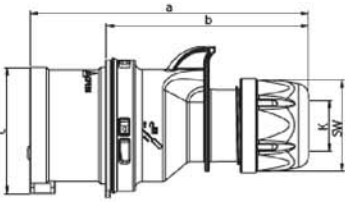
# Phase inverters

## Shark Phase inverter plug IP44

	16 Amp		32 Amp	
	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 [mm <sup>2</sup> ]	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

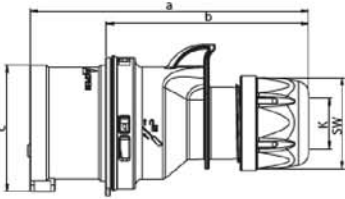


## Turbo Shark Phase inverter plug IP44

	16 Amp		32 Amp	
	5		5	
a	134		155	
b	98		109	
c	61		70	
K_cable Ø [mm]	8-16		11,5-22	
Connection type:	Screw terminal and screwless terminal			
Wire flexible class 5 or 6 [mm <sup>2</sup> ]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	42		50	
Weight [g]	156		237	

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

**IP44** splashproof

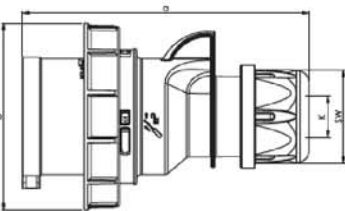


## Shark Phase inverter plug IP67

	16 Amp		32 Amp	
	4	5	4	5
a	128	134	150	155
b	79	87	93	100
c				
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Connection type:	Screw terminal			
Wire flexible class 5 or 6 [mm <sup>2</sup> ]	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

**IP67** watertight



**230V~**

50/60Hz  
4p=9h

**400V~**

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

Cat.No.

Cat.No.

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

7014-9
7024-9

7014-6	7015-6
7024-6	7025-6



7015-6

16	5	10
32	5	10

7015-6TT
7025-6TT

7015-6TT
7025-6TT



7015-6TT

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

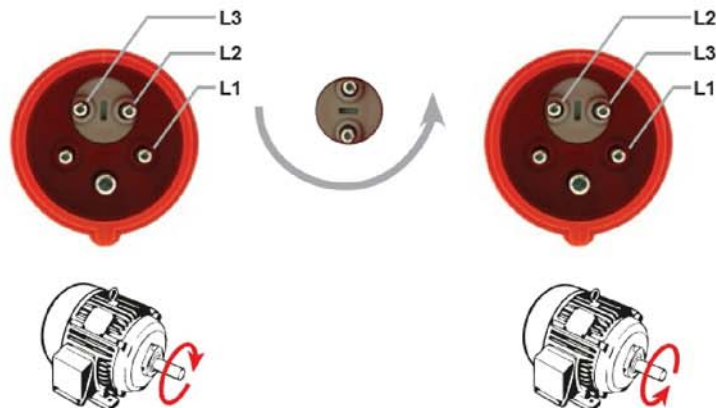
70142-9
70242-9

70142-6	70152-6
70242-6	70252-6



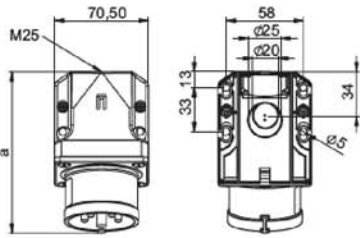
70252-6

### Functional principle: Phase inverter





# Phase inverters



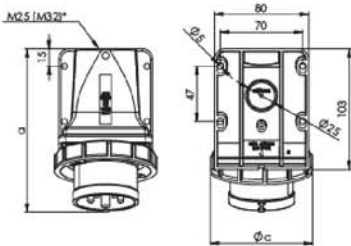
b=height  
angle=15°

## 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 [mm <sup>2</sup> ]		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



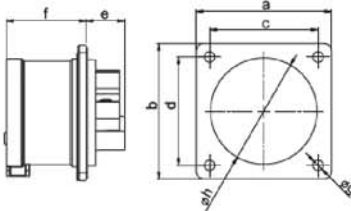
b=height  
angle=15°

## 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 [mm <sup>2</sup> ]		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
- incl. threaded bung

**IP67** watertight

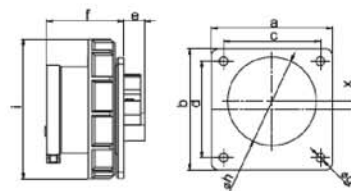


## Phase inverter - Flanged plug straight IP44

	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 [mm <sup>2</sup> ]		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 [mm <sup>2</sup> ]		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

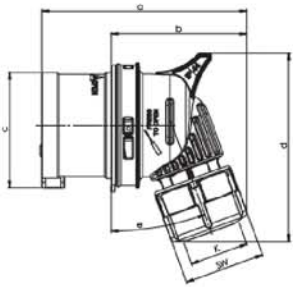
flange 75 x 75 - fixing center 60 x 60		
16	5	10
32	4	10
32	5	10

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



86152-6

# Phase inverters

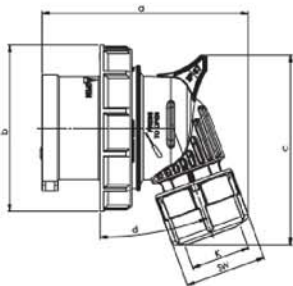


## Twist Phase inverter - Angled plug IP44

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 [mm <sup>2</sup> ]	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

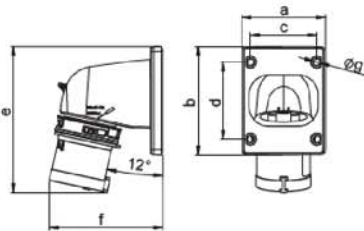


## Twist Phase Inverter - Angled plug IP67

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 [mm <sup>2</sup> ]	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

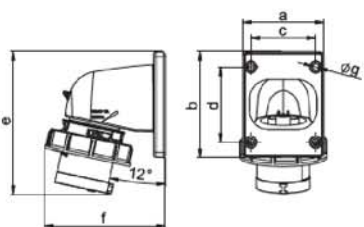


## Twist Phase inverter - Flanged plug angled IP44

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 [mm <sup>2</sup> ]	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 [mm <sup>2</sup> ]	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

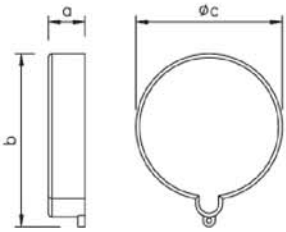
16	4	10
16	5	5
32	4	5
32	5	5

778142-9	778142-6
	778152-6
778242-9	778242-6
	778252-6



778152-6

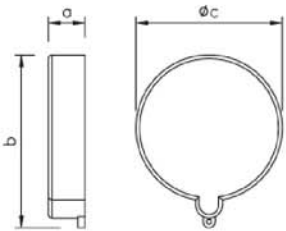
# Accessories



## Cap 16 and 32A

Poles	16 Amp			32 Amp		
	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

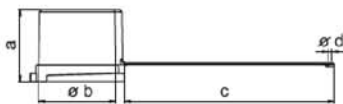
- for plugs and appliance plugs to protect contacts against dust
- material: TPE/PP



## Cap 63 and 125A

Poles	63 Amp			125 Amp		
	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 63 and 125A

Poles	63 Amp			125 Amp		
	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**



Amp.	Poles	pack. unit	Cat.No.
16	3		ts613g
16	4		ts614g
16	5		ts615g
32	3	}	ts623g
32	4		
32	5		



63	3	}	ts635g
63	4		
63	5		
125	3	}	ts645g
125	4		
125	5		



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

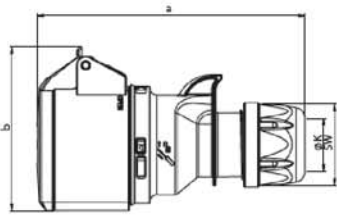
size	thread length	cable diameter	Cat.No.	pack unit
M20 x 1,5	15 mm	10-14 mm	23201515120	50
M25 x 1,5	15 mm	13-18 mm	23251515140	50
M32 x 1,5	15 mm	18-25 mm	23321515200	25
M40 x 1,5	18 mm	22-32 mm	23401518260	10
M50 x 1,5	18 mm	30-38 mm	23501518310	5
M63 x 1,5	18 mm	34-44 mm	23631518350	5
M40 x 1,5	Lock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





# Connectors

## Shark Connector IP44

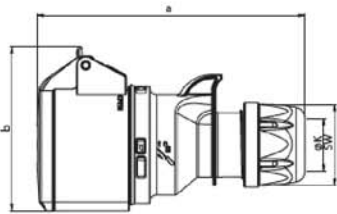


	16 Amp			32 Amp		
	3	4	5	3	4	5
a	133	138	145	161	161	168
b	74	82	89	94	94	99
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	134	161	188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

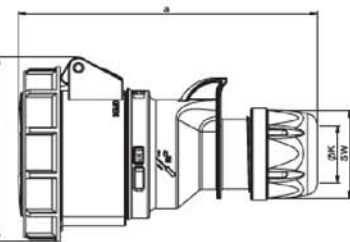


	16 Amp			32 Amp		
	3	4	5	3	4	5
a	133	138	145	161	161	168
b	74	82	89	94	94	99
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screwless terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
SW	42	42	42	50	50	50
Weight [g]	136	161	193	228	243	271

- 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 IP67

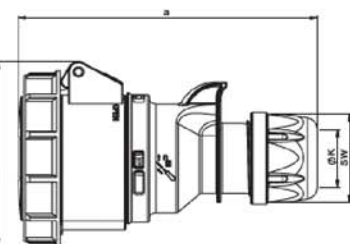


	16 Amp			32 Amp		
	3	4	5	3	4	5
a	132	139	147	163	163	171
b	78	84	92	96	96	102
K_cable Ø [mm]	6-15	6-15	8-16	11,5-20	11,5-20	11,5-22
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	42	42	42	50	50	50
Weight [g]	155	186	227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

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

IP67 watertight

## Turbo Shark Connector IP67



	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	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

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	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



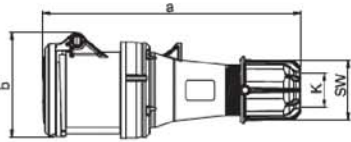
16	3	10	2132-4TT	2132-6TT	2132-9TT			
16	4	10	2142-4TT	2142-9TT	2142-6TT			
16	5	10	2152-4TT	2152-9TT	2152-6TT			
32	3	10	2232-4TT	2232-6TT	2232-9TT			
32	4	10	2242-4TT	2242-9TT	2242-6TT			
32	5	10	2252-4TT	2252-9TT	2252-6TT			



2252-6TT



# Connectors

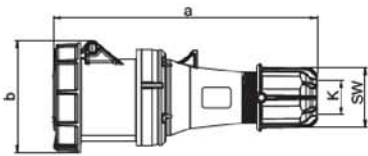


## Power Twist Connector IP44

	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 [mm <sup>2</sup> ]	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 please 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

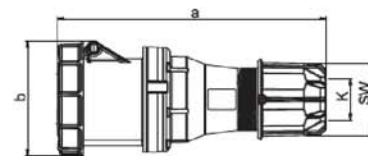


## Power Twist Connector IP66/67

	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 [mm <sup>2</sup> ]	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 please 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 [mm <sup>2</sup> ]	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 please 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



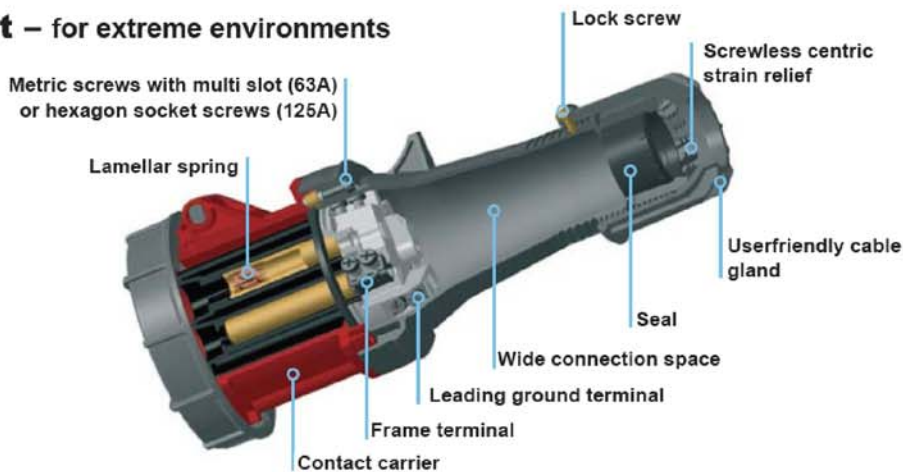
235-6

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

**Wall sockets**

Page

**58**



**Flanged sockets straight**

Page

**70**



**Flanged sockets sloping**

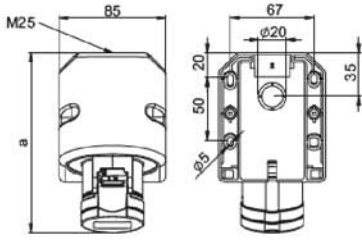
Page

**80**





# Wall sockets



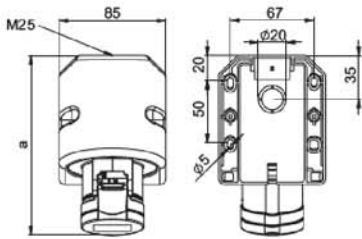
b=height  
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## Wall socket IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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



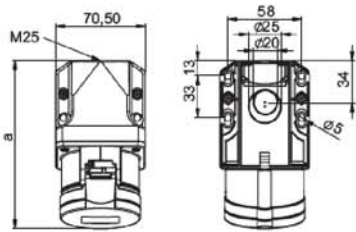
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## Turbo Twist Wall socket IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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



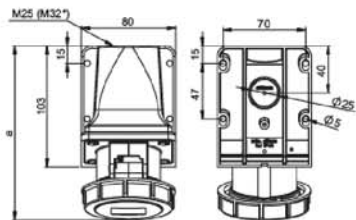
b=height  
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## Wall socket IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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



b=height  
angle=15°

## Wall socket IP67

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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
- 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	10	113-4	<b>113-6</b>	113-9	113-7	113-10	113-2
16	4	10	114-4	114-9	<b>114-6</b>	114-7	114-10	114-2
16	5	10	115-4	115-9	<b>115-6</b>	115-7	115-10	115-2
32	3	10	123-4	<b>123-6</b>	123-9	123-7	123-10	123-2
32	4	10	124-4	124-9	<b>124-6</b>	124-7	124-10	124-2
32	5	10	125-4	125-9	<b>125-6</b>	125-7	125-10	125-2



113-6

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



113-6TT

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



115-6k

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

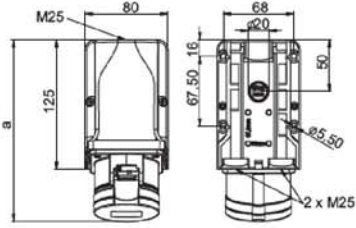


1152-6



# Wall sockets

## Wall socket IP44



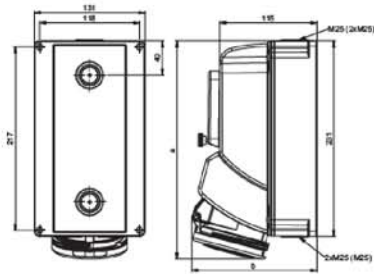
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angle=15°

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

## Wall socket with window IP44



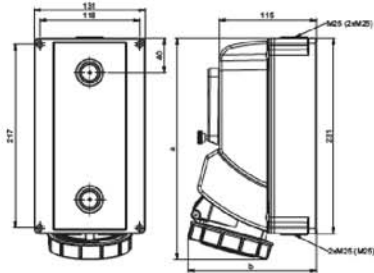
Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	249	249	249	259	259	259
b	141	141	141	142	142	148
M*	3x25	3x25	3x25	3x25	3x25	3x25
Connection type: Screw terminal						
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Weight [g]	917	922	967	972	985	1033

- 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

\* Option: M32 or closed

## Wall socket with window IP67



Pole	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Weight [g]	952	957	1002	1007	1020	1068

- 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

\* Option: M32 or closed



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



913-6



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

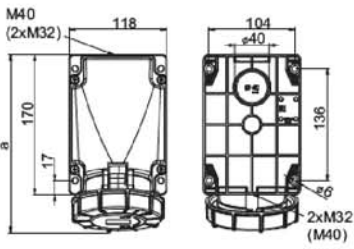
16	3	1	751323-4	751323-6	751323-9	751323-7
16	4	1	751423-4	751423-9	751423-6	751423-7
16	5	1	751523-4	751523-9	751523-6	751523-7
32	3	1	752323-4	752323-6	752323-9	752323-7
32	4	1	752423-4	752423-9	752423-6	752423-7
32	5	1	752523-4	752523-9	752523-6	752523-7



752523-6

# Wall sockets

## Power Twist Wall socket IP66/67



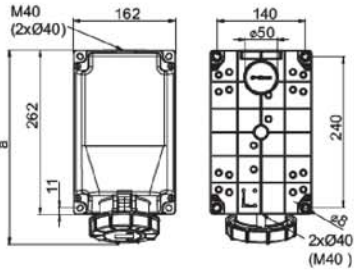
b=height  
angle=15°

	63 Amp		
Poles	3	4	5
a	213	213	213
b	173	173	173
Connection type:	Contact frame with screws		
Wire flexible [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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 please add a „5“ e.g. 1335-6 (see page 10)
  - to order with pilot contact system (PCS) please 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

## Power Twist Wall socket IP66/67



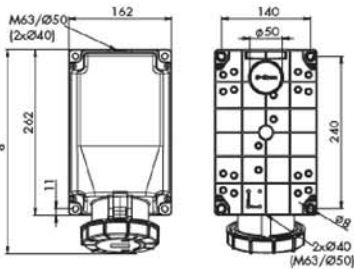
b=height  
angle=15°

	63 Amp		
Poles	3	4	5
a	306	306	306
b	195	195	195
Connection type:	Contact frame with screws		
Wire flexible [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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 please add a „5“ e.g. 1357-6 (see page 10)
  - to order with pilot contact system (PCS) please add a „6“ e.g. 1357-6 (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

## Power Twist Wall socket IP66/67



b=height  
angle=15°

	125 Amp		
Poles	3	4	5
a	322	322	322
b	205	205	205
Connection type:	Contact frame with screws		
Wire flexible [mm <sup>2</sup> ]	16-50		
solid [mm <sup>2</sup> ]	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 please add a „5“ e.g. 1455-6 (see page 10)
  - to order with pilot contact system (PCS) please 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

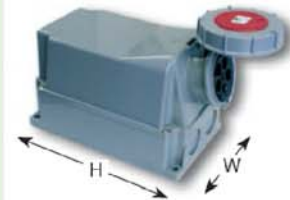
63	3	2	133-4	133-6	133-9	133-7	133-10	133-2
63	4	2	134-4	134-9	134-6	134-7	134-10	134-2
63	5	2	135-4	135-9	135-6	135-7	135-10	135-2



135-6

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



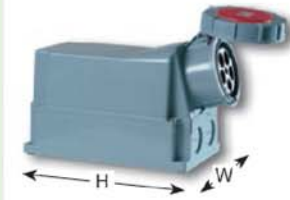
1357-6

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



145-6

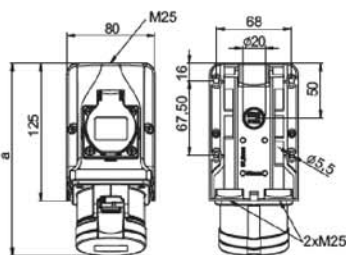


Accessories (cable glands) see page 51





# Wall sockets COMBO



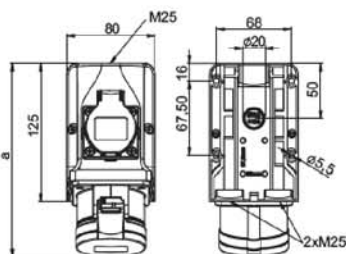
b=height  
angle=15°

## Wall socket COMBO IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 mm<sup>2</sup>
- **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



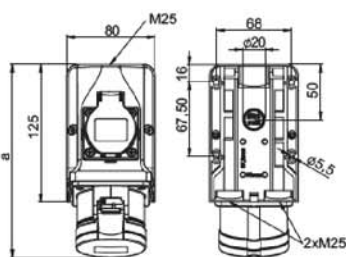
b=height  
angle=15°

## Wall socket COMBO IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 mm<sup>2</sup>
- **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. 9215-6v
- top, 2x bottom or rear entry
- incl. threaded cable grommet

IP44 splashproof



b=height  
angle=15°

## Wall socket COMBO IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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	490

- with screw terminals
- wall socket with integrated safety socket according to Belgian/French system
- connecting terminals up to 10 mm<sup>2</sup>
- **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

**230V~**

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

**400V~**

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

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

Cat.No.

Cat.No.

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

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

9214-6w  
9215-6w  
  
9224-6w  
9225-6w



9215-6w

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

9213-6f  
9214-9f  
  
9223-6f  
9224-9f

9214-6f  
9215-6f  
  
9224-6f  
9225-6f



9215-6f



# Wall sockets COMBO

## Wall socket COMBO IP44

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 mm<sup>2</sup>
- **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. 9215-6fw
- top, 2x bottom or rear entry
- incl. threaded cable grommet

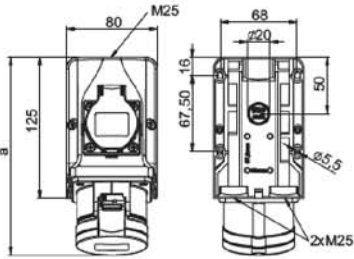
**IP44** splashproof

## Wall socket with switch IP44

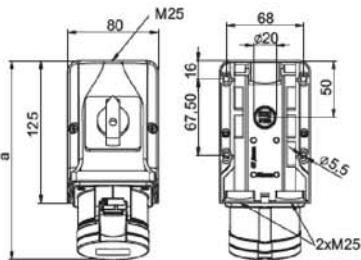
Poles	16 Amp		32 Amp	
	5	5	5	5
a	176	176	188	188
b	133	133	143	143
M	3x25	3x25	3x25	3x25
Connection type: Screw terminal				
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Weight [g]	448	448	543	543

- with screw terminals
- wall socket with integrated **ON/OFF switch AC22A**
- connecting terminals up to 10 mm<sup>2</sup>
- **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



b=height  
angle=15°





**230V~**

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

**400V~**

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

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

**Cat.No.**

**Cat.No.**

9213-6fw

9214-9fw

9214-6fw

9215-6fw

9223-6fw

9224-9fw

9224-6fw

9225-6fw



9215-6fw

16	5	5
32	5	5

75915-6

75925-6

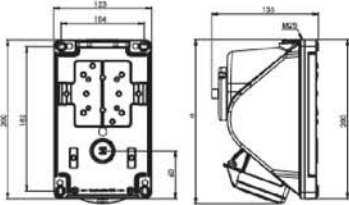


75915-6



# Wall sockets COMBOPOL

## Wall socket COMBO-POL with flanged socket sloping

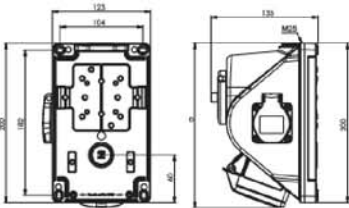


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	208	209	207	211	211	212
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

- 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

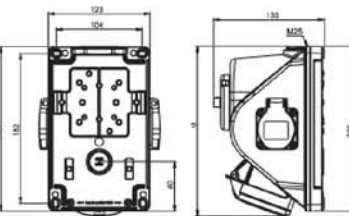


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	208	209	207	211	211	212
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

- 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		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	208	209	207	211	211	212
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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			
<b>with reversing switch</b>								
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)

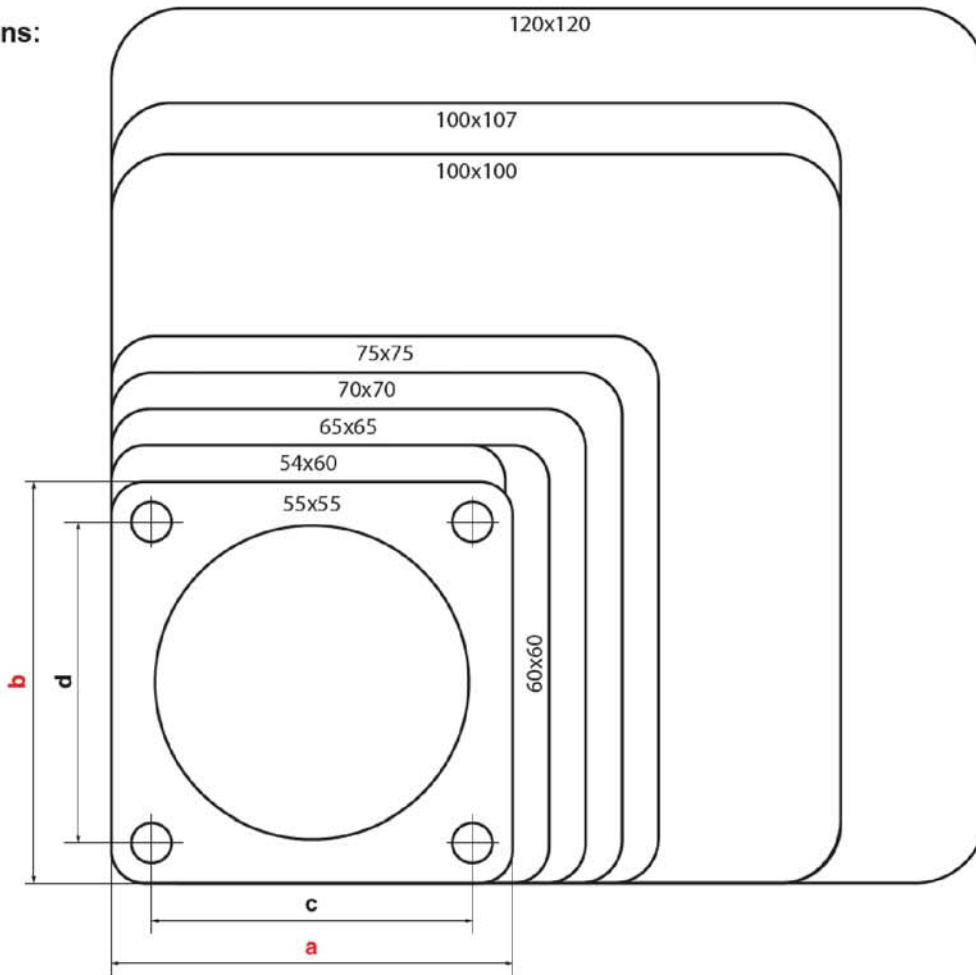
### Advantages:

- 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:



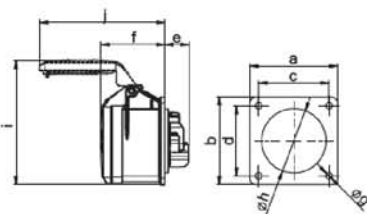
Versions:

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	74-75	IP44*											
					IP67*											
55	55	44	44	74-75	IP44*											
					IP67*											
60	60	47	47	74-75	IP44*	IP44*										
					IP67*											
65	65	52	52	74-75	IP44*	IP44*										
					IP67*											
70	70	56	56	72-73	IP44*	IP44*	IP44*	IP44*	IP44*	IP44*						
					IP67*		IP67*			IP67*						
75	75	60	60	70-71	IP44*	IP44*	IP44*	IP44*	IP44*	IP44*						
					IP67*	IP67*	IP67*	IP67*	IP67*	IP67*						
100	100	80	80	76-77							IP44	IP44	IP44			
											IP67	IP67	IP67			
100	107	77	85	76-77							IP44	IP44	IP44			
											IP67	IP67	IP67			
120	120	100	100	76-77										IP67	IP67	IP67

\* also available in screwless connection technology (TT) 



# Flanged sockets straight

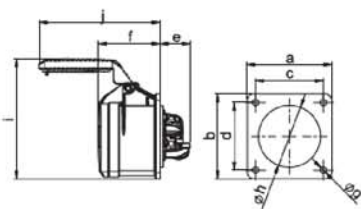


## Flanged socket straight IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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. 315-617v

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

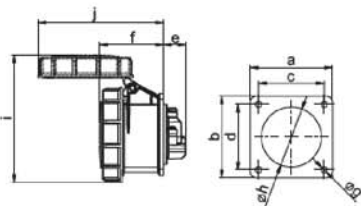


## Turbo Twist Flanged socket straight IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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. 315-6117v

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

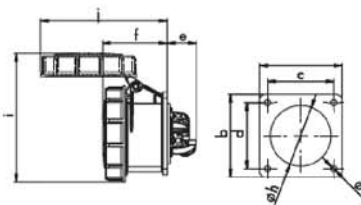


## Flanged socket straight IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

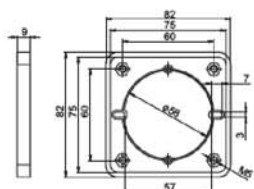


## Turbo Twist Flanged socket straight IP44

	16 Amp			32 Amp		
	3	4	5	3	4	5
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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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



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	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			

TURBO  
TWIclick



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			

TURBO  
TWIclick



3132-6TT



Conduit mounting box



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

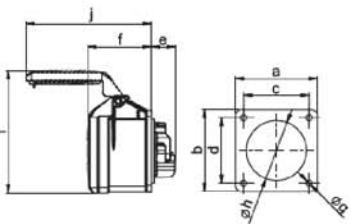
Intermediate flange (810-00)





# Flanged sockets straight

## Flanged socket straight IP44

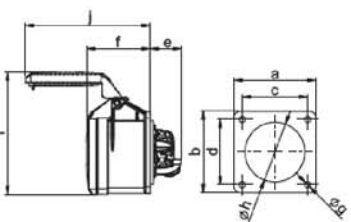


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	21	21	21	23	23	23
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	87	101	105	112	112	108
j	101	101	107	122	122	136
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

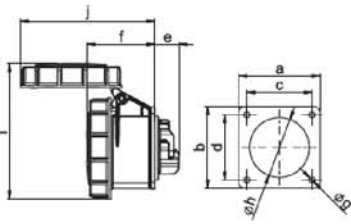


	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	27	27	27	27	27	27
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	87	101	105	112	112	108
j	101	101	107	122	122	136
Connection type:	Screwless terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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 IP44

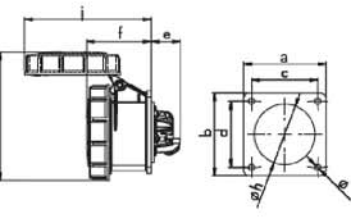


	16 Amp		32 Amp
Poles	3	5	5
Flange a x b	70	70	70
Fixing center c x d	56	56	56
e	21	21	23
f	56	59	71
g	5,5	5,5	5,5
h	43	55	58
i	102	117	130
j	101	115	136
Connection type:	Screw terminal		
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6
solid [mm <sup>2</sup> ]	1-4		2,5-10
Contact screws [Ncm]	100 Ncm		110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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 70 x 70 - fixing center 56 x 56</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 70 x 70 - fixing center 56 x 56</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 70 x 70 - fixing center 56 x 56</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 70 x 70 - fixing center 56 x 56</b>								
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

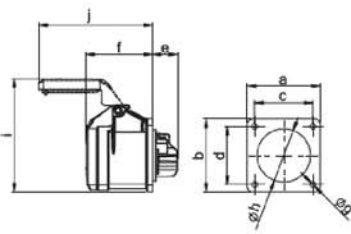


3132-6ttf70



# Flanged sockets straight

## Flanged socket straight IP44

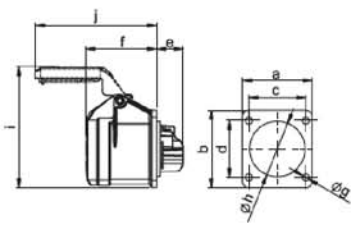


	16 Amp		16 Amp	
	3	4	3	4
Poles	3	4	3	4
Flange a x b	65	65	60	60
Fixing center c x d	52	52	47	47
e	21	21	21	21
f	55	55	55	55
g	5,5	5,5	5,5	5,5
h	43	45	43	45
i	84	99	82	99
j	101	100	101	101
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5			
solid [mm <sup>2</sup> ]	1-4			
Contact 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

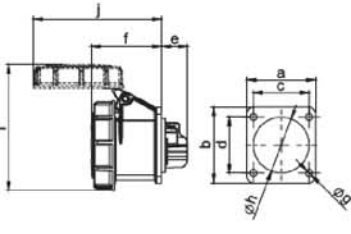


	16 Amp	
	3	3
Poles	3	3
a	54	55
b	60	55
Fixing center c x d	44	44
e	21	21
f	55	55
g	5,5	5,5
h	43	43
i	82	80
j	101	101
Connection type:	Screw terminal	
Wire flexible [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	105	103

- 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			
	3	3	3	3
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 [mm <sup>2</sup> ]	1-2,5			
solid [mm <sup>2</sup> ]	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.

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 65 x 65 - fixing center 52 x 52</b>								
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
<b>flange 60 x 60 - fixing center 47 x 47</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 54 x 60 - fixing center 44 x 44</b>								
16	3	10	313-4f9	313-6f9	313-9f9	313-7f9	313-10f9	313-2f9
<b>flange 55 x 55 - fixing center 44 x 44</b>								
16	3	10	313-4f5	313-6f5	313-9f5	313-7f5	313-10f5	313-2f5



313-6f9

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 65 x 65 - fixing center 52 x 52</b>								
16	3	10	3132-4f0	3132-6f0	3132-9f0	3132-7f0	3132-10f0	3132-2f0
<b>flange 60 x 60 - fixing center 47 x 47</b>								
16	3	10	3132-4f6	3132-6f6	3132-9f6	3132-7f6	3132-10f6	3132-2f6
<b>flange 54 x 60 - fixing center 44 x 44</b>								
16	3	10	3132-4f9	3132-6f9	3132-9f9	3132-7f9	3132-10f9	3132-2f9
<b>flange 55 x 55 - fixing center 44 x 44</b>								
16	3	10	3132-4f5	3132-6f5	3132-9f5	3132-7f5	3132-10f5	3132-2f5

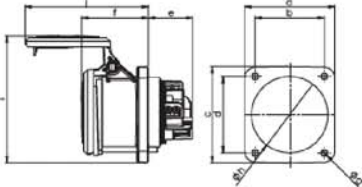


3132-6f9



# Flanged sockets straight

## Power Twist Flanged socket straight IP44

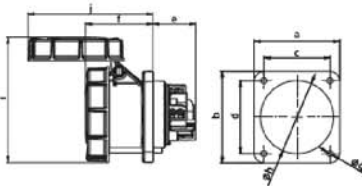


Poles	63 Amp			63 Amp		
	3	4	5	3	4	5
a	100	100	100	100	100	100
b	100	100	100	107	107	107
c	80	80	80	77	77	77
d	80	80	80	85	85	85
e	50	50	50	50	50	50
f	75	75	75	75	75	75
g	7	7	7	7	7	7
h	85	85	85	85	85	85
i	138	138	138	142	142	142
j	138	138	138	138	138	138
Connection type: Contact frame with screws						
Wire flexible [mm <sup>2</sup> ]	6-16					
solid [mm <sup>2</sup> ]	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

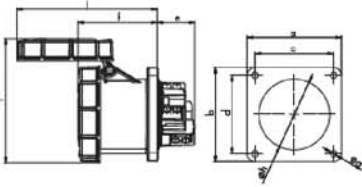


Poles	63 Amp			63 Amp		
	3	4	5	3	4	5
a	100	100	100	100	100	100
b	100	100	100	107	107	107
c	80	80	80	77	77	77
d	80	80	80	85	85	85
e	50	50	50	50	50	50
f	80	80	80	80	80	80
g	7	7	7	7	7	7
h	85	85	85	85	85	85
i	147	147	147	147	147	147
j	146	146	146	146	146	146
Connection type: Contact frame with screws						
Wire flexible [mm <sup>2</sup> ]	6-16					
solid [mm <sup>2</sup> ]	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. 3355-6 (see p. 10)
  - to order with pilot contact system (PCS) please add a „6“ e.g. 3356-6 (see page 10)

IP66/67 watertight

## Power Twist Flanged socket straight IP66/67



Poles	125 Amp		
	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 [mm <sup>2</sup> ]	16-50		
solid [mm <sup>2</sup> ]	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. 3455-6 (see p. 10)
  - to order with pilot contact system (PCS) please add a „6“ e.g. 3456-6 (see page 10)

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	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 flanged sockets

## Surface outlet with/for flanged sockets 75x75



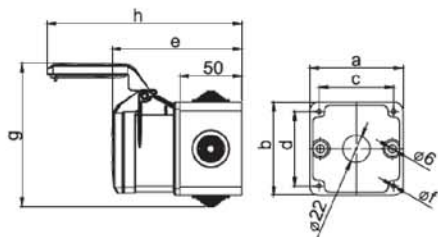
80415-6

- 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

Ampere	Poles	pack. unit	230V~		400V~		surface outlet empty
			50/60Hz 3p=6h	Best.Nr.	50/60Hz 4p+5p=6h	Best.Nr.	
<b>with flange 75 x 75</b>			<b>complete</b>	<b>surface outlet</b>			
16	3	10	80013-6		80000	} without lead-through nipple	
16	4	10		80014-6			
16	5	10		80015-6			
16	3	10	80213-6		80200	} 2 lead-through nipples	
16	4	10		80214-6			
16	5	10		80215-6			
16	3	10	80413-6		80400	} 4 lead-through nipples	
16	4	10		80414-6			
16	5	10		80415-6			

32A and special clock positions - available on request!



Poles	16 Amp			32 Amp		
	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	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 [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	190	205	220	260	270	295



## Finger protection for flanged sockets 16A/32A

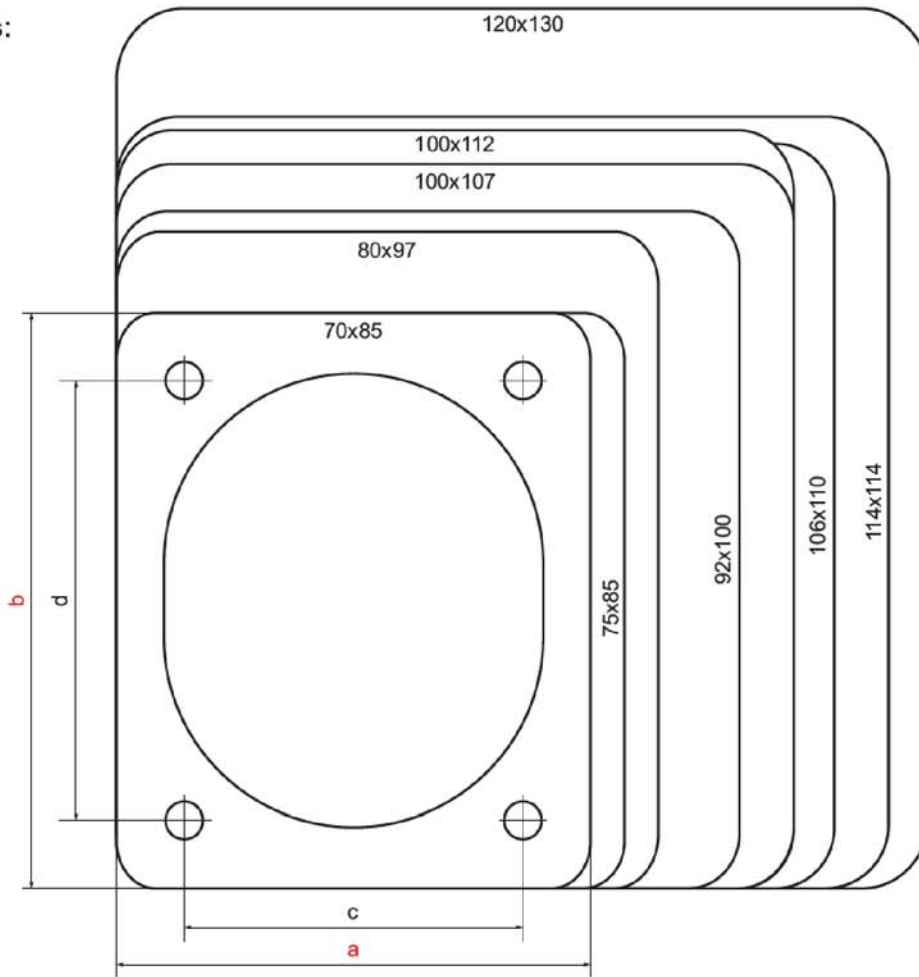
Depending of country specific standards and regulations it can be necessary to equip terminals with a finger protection. This finger protection can be mounted on all PCE 16A and 32A CEE flanged sockets with screw contact (2P+E, 3P+E, 3P+E+N) in case of need.



16A	4-times	pack.unit=150/1300 pcs.	ts167s
32A	4-times	pack.unit=150/1000 pcs.	ts327s

## Flanged sockets sloping

Dimensions:



Versions:

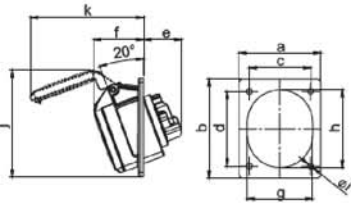
flange		fixing-center		page #	16A			32A			63A			125A		
a	b	c	d		3p	4p	5p	3p	4p	5p	3p	4p	5p	3p	4p	5p
70	85	50	65	84-85	IP44*	IP44*										
					IP67*	IP67*										
75	85	60	60	86-87	IP44*	IP44*	IP44*									
					IP67*	IP67*	IP67*									
80	97	60	73	82-83	IP44*	IP44*	IP44*	IP44*	IP44*	IP44*						
					IP67*	IP67*	IP67*	IP67*	IP67*	IP67*						
92	100	77	85	86-87	IP44*	IP44*	IP44*	IP44*	IP44*	IP44*						
				88-89	IP67*	IP67*	IP67*	IP67*	IP67*	IP67*						
100	107	77	85	90-91							IP44	IP44	IP44			
											IP67	IP67	IP67			
100	112	80	88	90-91							IP44	IP44	IP44			
											IP67	IP67	IP67			
106	110	90	90	90-91							IP44	IP44	IP44			
											IP67	IP67	IP67			
114	114	90	90	90-91										IP67	IP67	IP67
120	130	100	108	90-91										IP67	IP67	IP67

\* also available in screwless connection technology (TT) 



# Flanged sockets sloping

## Flanged socket sloping IP44

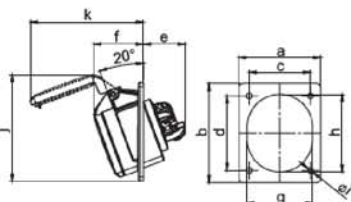


Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	38	38	38	48	48	48
f	47	47	49	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	97	103	105	105	105	99
k	99	104	111	119	119	130
Connection type: Screw terminal						
Wire flexible [mm <sup>2</sup> ]						
solid [mm <sup>2</sup> ]						
Contact screws [Ncm]						
Weight [g]						

- 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

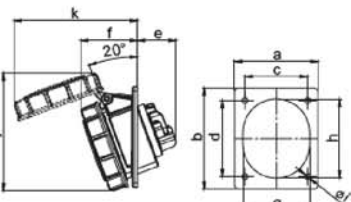


Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	41	41	41	48	48	48
f	47	47	49	54	54	55
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	97	103	105	105	105	99
k	99	104	111	119	119	130
Connection type: Screwless terminal						
Wire flexible [mm <sup>2</sup> ]						
solid [mm <sup>2</sup> ]						
Weight [g]						

- 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

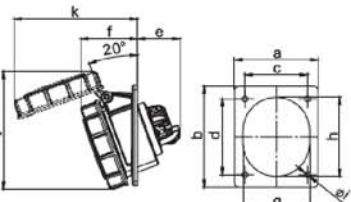


Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	80	80	80	80	80	80
b	97	97	97	97	97	97
c	60	60	60	60	60	60
d	73	73	73	73	73	73
e	38	38	38	48	48	48
f	50	52	55	59	59	61
g	51	56	65	65	65	70
h	61	67	76	75	75	80
i	5,5	5,5	5,5	5,5	5,5	5,5
j	102	106	114	120	120	127
k	103	110	119	127	127	133
Connection type: Screw terminal						
Wire flexible [mm <sup>2</sup> ]						
solid [mm <sup>2</sup> ]						
Contact screws [Ncm]						
Weight [g]						

- 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



Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]						
solid [mm <sup>2</sup> ]						
Weight [g]						

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

**IP67** watertight



**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 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	<b>414-6f8</b>	414-7f8	414-10f8	414-2f8
16	5	10	415-4	415-9	<b>415-6</b>	415-7	415-10	415-2
32	3	10	423-4	<b>423-6</b>	423-9	423-7	423-10	423-2
32	4	10	424-4	424-9	<b>424-6</b>	424-7	424-10	424-2
32	5	10	425-4	425-9	<b>425-6</b>	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	<b>414-6TTf8</b>
16	5	10	415-4TT	415-9TT	<b>415-6TT</b>
32	3	10	423-4TT	<b>423-6TT</b>	423-9TT
32	4	10	424-4TT	424-9TT	<b>424-6TT</b>
32	5	10	425-4TT	425-9TT	<b>425-6TT</b>



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	<b>4142-6f8</b>	4142-7f8	4142-10f8	4142-2f8
16	5	10	4152-4f78	4152-9f78	<b>4152-6f78</b>	4152-7f78	4152-10f78	4152-2f78
32	3	10	4232-4f78	<b>4232-6f78</b>	4232-9f78	4232-7f78	4232-10f78	4232-2f78
32	4	10	4242-4f78	4242-9f78	<b>4242-6f78</b>	4242-7f78	4242-10f78	4242-2f78
32	5	10	4252-4f78	4252-9f78	<b>4252-6f78</b>	4252-7f78	4252-10f78	4252-2f78



4152-6f78

flange 80 x 97 - fixing center 60 x 73

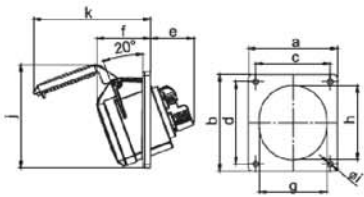
16	3	10	4132-4TTf8	4132-6TTf8	4132-9TTf8
16	4	10	4142-4TTf8	4142-9TTf8	<b>4142-6TTf8</b>
16	5	10	4152-4TTf78	4152-9TTf78	<b>4152-6TTf78</b>
32	3	10	4232-4TTf78	<b>4232-6TTf78</b>	4232-9TTf78
32	4	10	4242-4TTf78	4242-9TTf78	<b>4242-6TTf78</b>
32	5	10	4252-4TTf78	4252-9TTf78	<b>4252-6TTf78</b>



4152-6TTf78



# Flanged sockets sloping

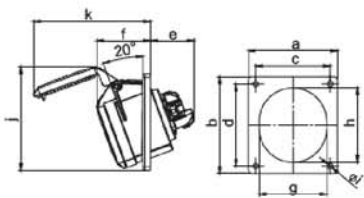


## Flanged socket sloping IP44

	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 [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	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

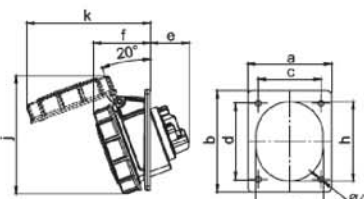


## Turbo Twist Flanged socket sloping IP44

	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 [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	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

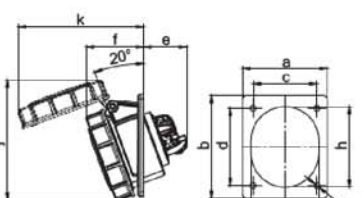


## Flanged socket sloping IP67

	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 [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	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 [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	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.

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
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

Amp.	Poles	pack. unit	110V~	230V~	400V~
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
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

Amp.	Poles	pack. unit	110V~	230V~	400V~
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



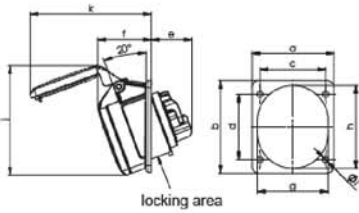
4132-6TTf78





# Flanged sockets sloping

## Flanged socket sloping IP44

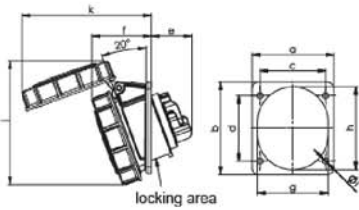


	16 Amp		
	3	4	5
Poles	3	4	5
a	75	75	75
b	85	85	85
c	60	60	60
d	60	60	60
e	38	38	39
f	47	47	48
g	51	56	65
h	61	67	76
i	5,5	5,5	5,5
j	85	96	101
k	99	104	111
Connection type:	Screw terminal		
Wire flexible [mm <sup>2</sup> ]	1-2,5		
solid [mm <sup>2</sup> ]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]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

## Flanged socket sloping IP67

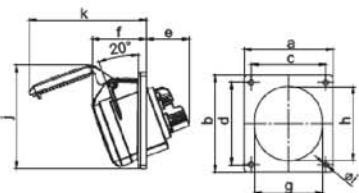


	16 Amp		
	3	4	5
Poles	3	4	5
a	75	75	75
b	85	85	85
c	60	60	60
d	60	60	60
e	38	38	39
f	49	50	54
g	51	56	65
h	61	67	76
i	5,5	5,5	5,5
j	97	104	114
k	102	111	119
Connection type:	Screw terminal		
Wire flexible [mm <sup>2</sup> ]	1-2,5		
solid [mm <sup>2</sup> ]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight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

## Flanged socket sloping IP44

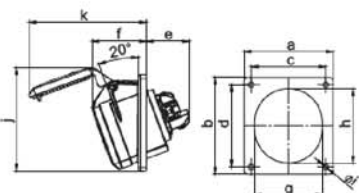


	16 Amp		32 Amp	
	3	4	3	4
Poles	3	4	3	4
a	92	92	92	92
b	100	100	100	100
c	77	77	77	77
d	85	85	85	85
e	38	48	48	48
f	49	54	54	55
g	65	65	65	70
h	76	75	75	80
i	5,5	5,5	5,5	5,5
j	107	107	107	101
k	111	121	121	132
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	166	180	198	229

- 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	
	3	4	3	4
Poles	3	4	3	4
a	92	92	92	92
b	100	100	100	100
c	77	77	77	77
d	85	85	85	85
e	41	48	48	48
f	49	54	54	55
g	65	65	65	70
h	76	75	75	80
i	5,5	5,5	5,5	5,5
j	107	107	107	101
k	111	121	121	132
Connection type:	Screwless terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Weight [g]	170	180	197	230

- 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

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.

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 75 x 85 - fixing center 60 x 60</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 75 x 85 - fixing center 60 x 60</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 92 x 100 - fixing center 77 x 85</b>								
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

Amp.	Poles	pack. unit	110V~	230V~	400V~
<b>flange 92 x 100 - fixing center 77 x 85</b>					
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

**TURBO**  
TWIclick

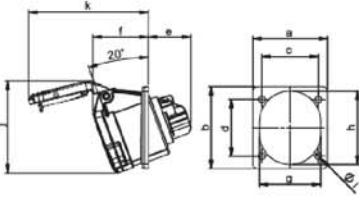


425-9TTf9



# Flanged sockets sloping

## Flanged socket sloping, lockable IP44

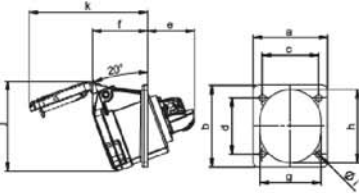


16 Amp	
Poles	3
a	62
b	68
c	47
d	47
e	38
f	46
g	51
h	61
i	5,5
j	77
k	99
Connection type:	Screw terminal
Wire flexible [mm <sup>2</sup> ]	1-2,5
solid [mm <sup>2</sup> ]	1-4
Contact screws [Ncm]	100 Ncm
Weight [g]	111

- 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

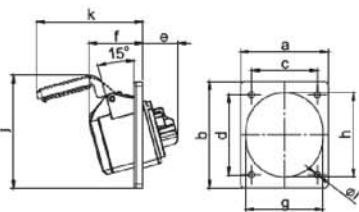


16 Amp	
Poles	3
a	62
b	68
c	47
d	47
e	41
f	46
g	51
h	61
i	5,5
j	77
k	99
Connection type:	Screwless terminal
Wire flexible [mm <sup>2</sup> ]	1-2,5
solid [mm <sup>2</sup> ]	1-4
Weight [g]	113

- 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

## Twist Flanged socket sloping IP44

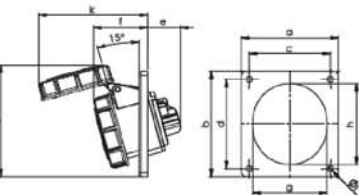


16 Amp		
Poles	3	4
a	92	92
b	100	100
c	77	77
d	85	85
e	32	33
f	50	50
g	70	70
h	77	77
i	5,5	5,5
j	105	108
k	97	104
Connection type:	Screw terminal	
Wire flexible [mm <sup>2</sup> ]	1-2,5	
solid [mm <sup>2</sup> ]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	136	167

- with screw terminals
- three-piece version
- housing material: PA6
- contacts: brass
  - to order nickel-plated contacts please add a „v“ e.g. 414-6f9v

**IP44** splashproof

## Twist Flanged socket sloping IP67



Poles	16 Amp			32 Amp		
	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	32	33	35	40	40	40
f	52	53	54	64	64	65
g	70	70	70	77	77	77
h	77	77	77	88	88	88
i	5,5	5,5	5,5	5,5	5,5	5,5
j	106	109	115	121	121	128
k	103	111	117	132	132	136
Connection type:	Screw terminal					
Wire flexible [mm <sup>2</sup> ]	1-2,5			2,5-6		
solid [mm <sup>2</sup> ]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	179	190	222	253	270	308

- with screw terminals
- three-piece version
- housing material: PA6
- contacts: brass
  - to order nickel-plated contacts please add a „v“ e.g. 4152-6v

**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.

			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
flange 62 x 68 - fixing center 47 x 47								
16	3	10	413-4f66	413-6f66	413-9f66	413-7f66	413-10f66	413-2f66



			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
flange 62 x 68 - fixing center 47 x 47								
16	3	10	413-4TTf66	413-6TTf66	413-9TTf66	413-7TTf66	413-10TTf66	413-2TTf66



			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
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

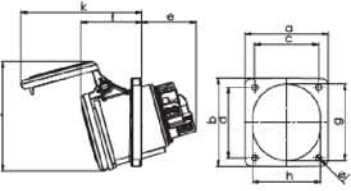


			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
flange 92 x 100 - fixing center 77 x 85								
16	3	10	4132-4	4132-6	4132-9	4132-7	4132-10	4132-2
16	4	10	4142-4	4142-9	4142-6	4142-7	4142-10	4142-2
16	5	10	4152-4	4152-9	4152-6	4152-7	4152-10	4152-2
32	3	10	4232-4	4232-6	4232-9	4232-7	4232-10	4232-2
32	4	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



# Flanged sockets sloping

## Power Twist Flanged socket sloping IP44

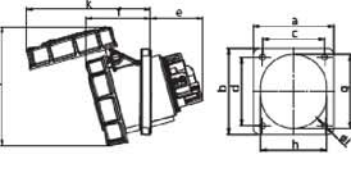


	63 Amp			63 Amp			63 Amp		
Poles	3	4	5	3	4	5	3	4	5
a	100	100	100	100	100	100	106	106	106
b	112	112	112	107	107	107	110	110	110
c	80	80	80	77	77	77	90	90	90
d	88	88	88	85	85	85	90	90	90
e	64	64	64	64	64	64	64	64	64
f	74	74	74	74	74	74	74	74	74
g	92	92	92	92	92	92	92	92	92
h	82	82	82	82	82	82	82	82	82
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 [mm <sup>2</sup> ]	6-16								
solid [mm <sup>2</sup> ]	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

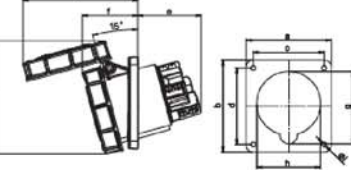


	63 Amp			63 Amp			63 Amp		
Poles	3	4	5	3	4	5	3	4	5
a	100	100	100	100	100	100	106	106	106
b	112	112	112	107	107	107	110	110	110
c	80	80	80	77	77	77	90	90	90
d	88	88	88	85	85	85	90	90	90
e	64	64	64	64	64	64	64	64	64
f	80	80	80	80	80	80	80	80	80
g	92	92	92	92	92	92	92	92	92
h	82	82	82	82	82	82	82	82	82
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 [mm <sup>2</sup> ]	6-16								
solid [mm <sup>2</sup> ]	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. 4356-6 (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



	125 Amp			125 Amp		
Poles	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 [mm <sup>2</sup> ]	16-50					
solid [mm <sup>2</sup> ]	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. 4456-6 (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~ 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.

			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 100 x 112 - fixing center 80 x 88</b>								
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
<b>flange 100 x 107 - fixing center 77 x 85</b>								
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
<b>flange 106 x 110 - fixing center 90 x 90</b>								
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



			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 100 x 112 - fixing center 80 x 88</b>								
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
<b>flange 100 x 107 - fixing center 77 x 85</b>								
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
<b>flange 106 x 110 - fixing center 90 x 90</b>								
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



			110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
<b>flange 120 x 130 - fixing center 100 x 108</b>								
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
<b>flange 114 x 114 - fixing center 90 x 90</b>								
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

**Flanged socket**

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**Surface outlet**

Page **94**



**Flush outlet**

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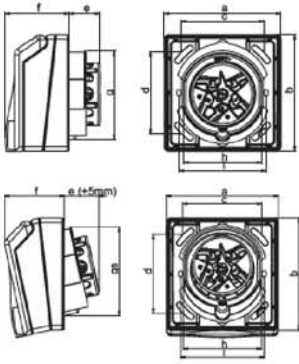


**Accessories**

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# Design Socket

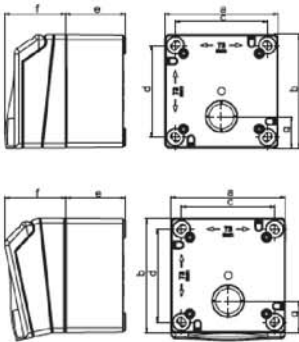


## Flanged socket

	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 [mm <sup>2</sup> ]	1-2,5			2,5-6	1 - 2x2,5
solid [mm <sup>2</sup> ]	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

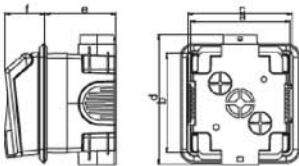


## Surface outlet

	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 [mm <sup>2</sup> ]	1-2,5			2,5-6	1 - 2x2,5
solid [mm <sup>2</sup> ]	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 through
- 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 [mm <sup>2</sup> ]	1-2,5			2,5-6	1 - 2x2,5
solid [mm <sup>2</sup> ]	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



Safe against ball throwing

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!





**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

Amp.  
Poles  
pack.  
unit

Cat.No.

Cat.No.

Cat.No.

Cat.No.

(CEE-socket)

(CEE-socket)

(CEE-socket)

(with safety socket acc.  
Austrian/German system)

16	3	6
16	4	6
16	5	6
32	5	6
16	2P+E	6

843-4v
844-4v
845-4v
855-4v

843-6v
844-9v
845-9v
855-9v

843-9v
844-6v
845-6v
855-6v

8430v
-------



16	3	6
16	4	6
16	5	6
32	5	6
16	2P+E	6

863-4v
864-4v
865-4v
875-4v

863-6v
864-9v
865-9v
875-9v

863-9v
864-6v
865-6v
875-6v

8630v
-------



16	3	6
16	4	6
16	5	6
32	5	6
16	2P+E	6

883-4v
884-4v
885-4v
895-4v

883-6v
884-9v
885-9v
895-9v

883-9v
884-6v
885-6v
895-6v

8830v
-------



**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



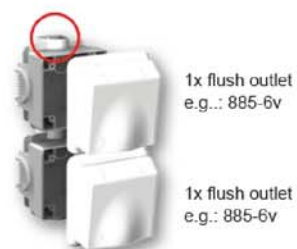
## Flush socket

- incl. screws 4 pcs.

light grey 88300  
 pack.unit: 10

### Installation help:

Connection device for 1-way frame



Sliding connection for 2-way frame



## 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 325-617

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

**Switched interlocked sockets – Compact series** Page **100**



**Switched interlocked sockets** Page **102**



**Switched interlocked sockets with DIN-rail** Page **110**



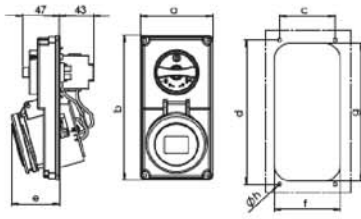
**Switched interlocked sockets fused** Page **112**





# Switched interlocked sockets – Compact series

mechanical interlock, lockable by padlock

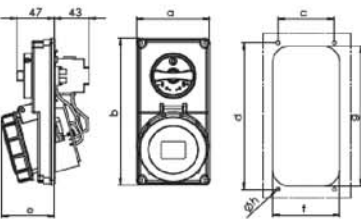


## Switched interlocked socket - panel mounting

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 [mm <sup>2</sup> ]				1,5-2,5		
solid [mm <sup>2</sup> ]				1,5-4		
Weight [g]				456 481 505 507 530 565		

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

**IP44** splashproof

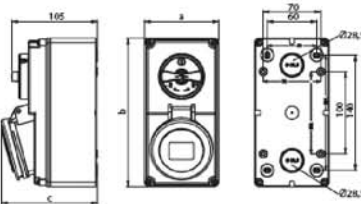


## Switched interlocked socket - panel mounting

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 [mm <sup>2</sup> ]				1,5-2,5		
solid [mm <sup>2</sup> ]				1,5-4		
Weight [g]				474 502 535 538 563 603		

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

**IP67** watertight

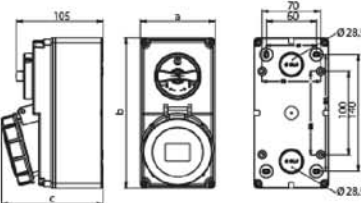


## Switched interlocked socket - wall mounting

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	115	116	117	123	123	124
Connection type:				Screw terminal		
Wire flexible [mm <sup>2</sup> ]				1,5-2,5		
solid [mm <sup>2</sup> ]				1,5-4		
Weight [g]				609 635 659 660 686 719		

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

**IP44** splashproof



## Switched interlocked socket - wall 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	119	120	122	125	125	128
Connection type:				Screw terminal		
Wire flexible [mm <sup>2</sup> ]				1,5-2,5		
solid [mm <sup>2</sup> ]				1,5-4		
Weight [g]				627 655 688 692 717 757		

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

**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

Amp.	Poles	pack. unit	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
32	5	1	60252-4	60252-9	60252-6	60252-7



60152-6



16	3	1	6113-4	6113-6	6113-9	6113-7
16	4	1	6114-4	6114-9	6114-6	6114-7
16	5	1	6115-4	6115-9	6115-6	6115-7
32	3	1	6123-4	6123-6	6123-9	6123-7
32	4	1	6124-4	6124-9	6124-6	6124-7
32	5	1	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
32	5	1	61252-4	61252-9	61252-6	61252-7



61152-6



### 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 16/32A

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

### VERSIONS:

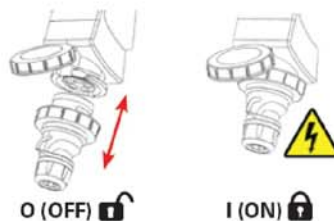
- 16A and 32A
- 3-, 4- and 5-poles up to 690V (5h)
- IP rating IP54 and IP66/67
- for installation indoor and outdoor
- 2 housing sizes:                   230mm without protection  
  340mm with protection

### 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



- **On-/Off switch** PCE-MERZ ML0  
EN 60947-3;AC22A, 10kA  
*OPTION: PCE-MERZ ML1  
EN 60947-3;AC22A, 10kA*
- **Threaded insert top M25**  
Option: M32 or complete closed
- **Large connection area**  
DIN-rail mounting, ready wired
- **Mechanical interlock\***
- **Wall mounting outside of the protected electrical area**
- **Threaded insert bottom 2xM25**  
Option: 2xM32 or complete closed
- **Contact carrier system**  
simple accessibility for maintenance and the necessary check of the contacts
- **Housing can be rotated by 180°**

- **Switching mechanism**  
in the top cover
- **Screws are protected against falling out**



## SWITCHED INTERLOCKED SOCKETS PROTECTED

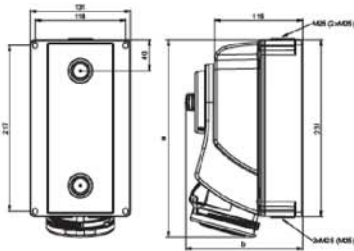
- long version (340mm) with window for 5 units
- window easy accessible on top
- integrated DIN rail EN50022 for all standard protection elements (MCB, RCD, ...)
- ready wired to the DIN rail





# Switched interlocked sockets – for wall mounting

mechanical interlock, lockable by padlock



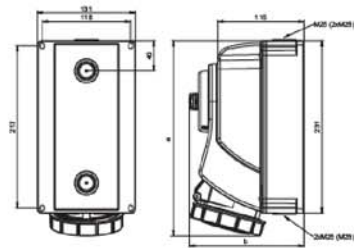
## Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	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 <sup>2</sup> ]	1,5-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	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 <sup>2</sup> ]	1,5-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

**IP67** 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) 

**110V~**

 50/60Hz  
4h

**230V~**

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

**400V~**

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

**500V~**

 50/60Hz  
7h

Amp.	Poles	pack. unit	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
32	5	1	75252-4	75252-9	75252-6	75252-7



75252-6

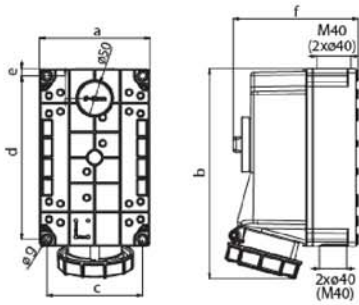
### ■ ■ ■ Technical data:

- 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

Poles	63 Amp		
	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 <sup>2</sup> ]	6-25		
solid [mm <sup>2</sup> ]	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



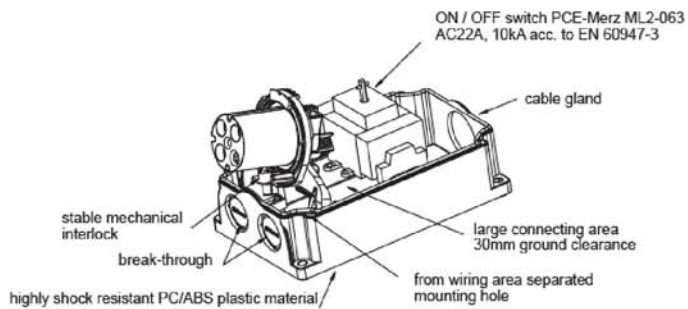
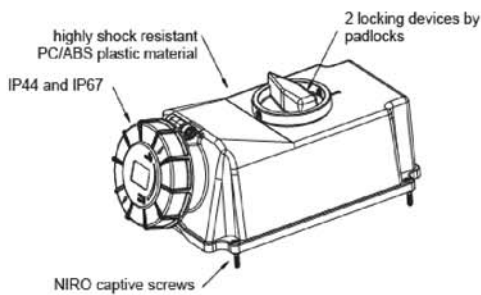
Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~
			50/60Hz 4h	50/60Hz 3p=6h 4p+5p=9h	50/60Hz 3p=9h 4p+5p=6h	50/60Hz 7h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.
63	3	1	75332-4	75332-6	75332-9	75332-7
63	4	1	75342-4	75342-9	75342-6	75342-7
63	5	1	75352-4	75352-9	75352-6	75352-7



75352-6



## 63A version

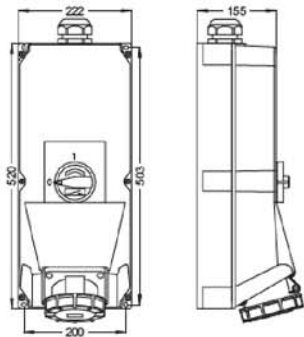


### ■ ■ ■ Technical data 63A:

- 63A 3-, 4- and 5 poles
- terminals max. 25/35mm<sup>2</sup>
- 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, OVE

# Switched interlocked sockets – for wall mounting

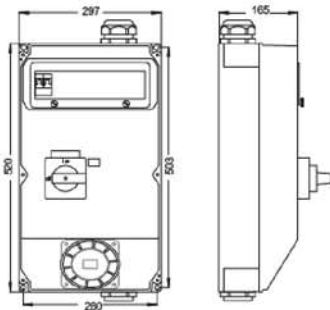
mechanical or electric interlock, lockable by padlock



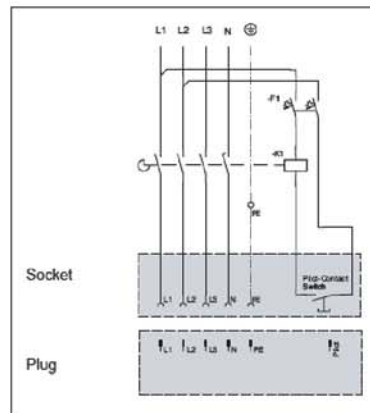
## Switched interlocked socket – mechanical interlock 125A

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

**IP67** watertight



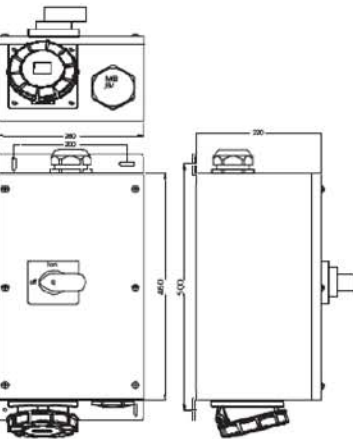
## Switched interlocked socket – electric interlock 125A



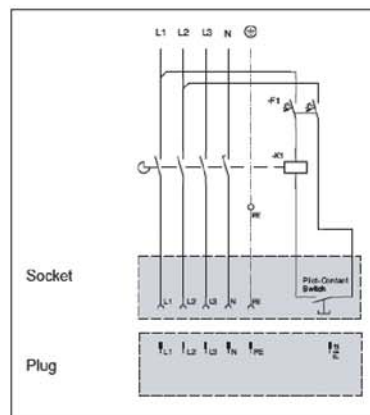
- WxHxD = 520x297x165mm
- material PC/ABS
- compact design
- controlled by circuit breaker 125A 4p with integrated low voltage circuit breaker 400V by PCS-system (see page 10)
- top or bottom entry (M63)
- control circuit protected with circuit breaker 10A 2p
- thermic release adjustable from 0,7 to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



Circuit diagram

- 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

### ■ ■ ■ Technical data 125A:

- 125A 3-, 4- and 5 poles
- terminals max. 70/50mm<sup>2</sup>
- cable gland M50 (cable diameter 32-38mm)
- degree of protection IP66 or 67

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~
			50/60Hz 4h	50/60Hz 3p=6h 4p+5p=9h	50/60Hz 3p=9h 4p+5p=6h	50/60Hz 7h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.

125	3	1	9755090	9755102	9755091	9755101
125	4	1	9755095	9755096	9755099	9755098
125	5	1	9755104	9755105	9755100	9755103

Special designs available on request



125	5	1			9029100	
-----	---	---	--	--	---------	--



125	5	1			9754100	
-----	---	---	--	--	---------	--

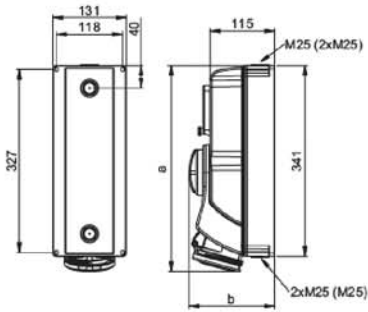


- circuit breaker PCE Merz ML3
  - category AC22A, 690V (AC3, 690V, 3~, 45kW)
  - rated conditional short-circuit-current 10kA
  - mechanical life of 30.000 cycles
- approved acc. to EN60309, ÖVE



# Switched interlocked sockets – with DIN-rail

mechanical interlock, lockable by padlock



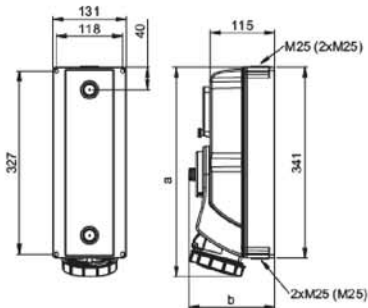
## Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
	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 <sup>2</sup> ]	1,5-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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



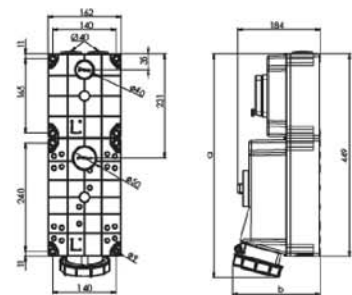
## Switched interlocked socket – wall mounting

	16 Amp			32 Amp		
	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 <sup>2</sup> ]	1,5-2,5			2,5-6		
solid [mm <sup>2</sup> ]	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

**IP67** watertight



## Power Twist Switched interlocked socket – wall mounting

	63 Amp		
	3	4	5
a	496	496	496
b	195	195	195
Connection type:	Contact frame with screws		
Wire flexible [mm <sup>2</sup> ]	6-16		
solid [mm <sup>2</sup> ]	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

**110V~**

 50/60Hz  
4h

**230V~**

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

**400V~**

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

**500V~**

 50/60Hz  
7h

Amp.	Poles	pack. unit	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
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

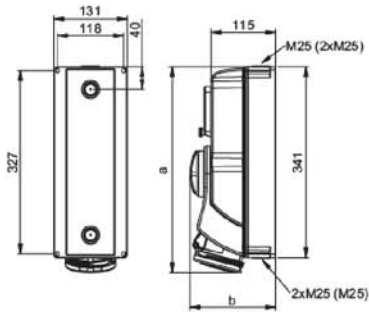


### ■ ■ ■ Technical data to 63A version:

- 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



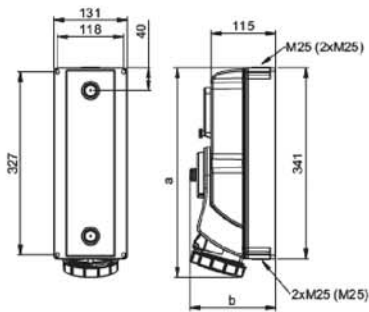
## Switched interlocked socket – wall mounting

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]				2,5-6		
solid [mm <sup>2</sup> ]				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

Poles	16 Amp			32 Amp		
	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 [mm <sup>2</sup> ]				2,5-6		
solid [mm <sup>2</sup> ]				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)

**IP67** 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
- special designs (switch on bottom, window on top) available on request!



**110V~**

50/60Hz  
4h

**230V~**

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

**400V~**

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

**500V~**

50/60Hz  
7h

Amp.	Poles	pack. unit	Cat.No.	Cat.No.	Cat.No.	Cat.No.
16	3	1	7813-4	<b>7813-6</b>	7813-9	7813-7
16	4	1	7814-4	7814-9	<b>7814-6</b>	7814-7
16	5	1	7815-4	7815-9	<b>7815-6</b>	7815-7
32	3	1	7823-4	<b>7823-6</b>	7823-9	7823-7
32	4	1	7824-4	7824-9	<b>7824-6</b>	7824-7
32	5	1	7825-4	7825-9	<b>7825-6</b>	7825-7



7825-6

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



78252-6



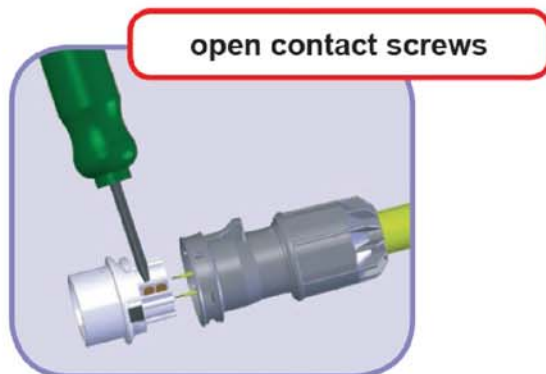
## TWIST Extra-low voltage

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:

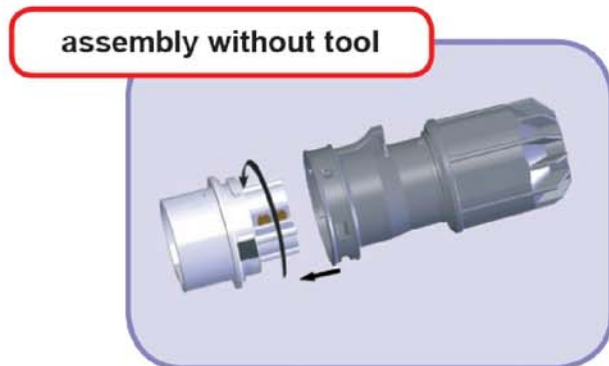


#### ASSEMBLY WITHOUT TOOL

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

#### DISMANTLING

- simply unlock and twist to open



**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  $\varnothing$  8 to  $\varnothing$  24mm

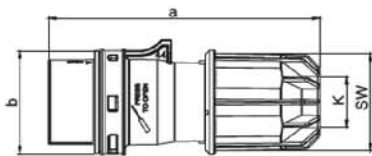


# Extra-low voltage – plugs and sockets

## 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.

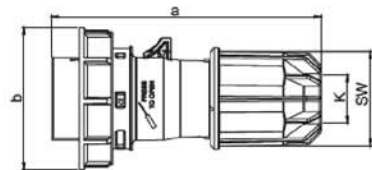


### Twist Plug IP44

	16 Amp		32 Amp	
	2	3	2	3
Poles	2	3	2	3
a	135	135	135	135
b	51	51	51	51
c	51	51	51	51
K_cable Ø [mm]	8-24	8-24	8-24	8-24
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	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

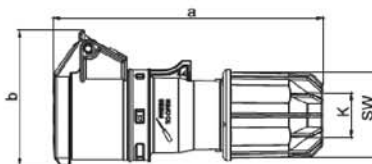


### Twist Plug IP67

	16 Amp		32 Amp	
	2	3	2	3
Poles	2	3	2	3
a	124	131	146	152
b	79	87	93	100
K_cable Ø [mm]	8-24	8-24	8-24	8-24
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	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

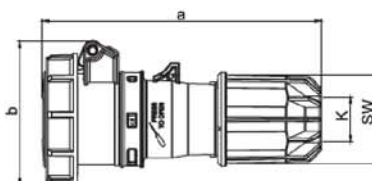


### Twist Connector IP44

	16 Amp		32 Amp	
	2	3	2	3
Poles	2	3	2	3
a	150	150	150	150
b	75	75	75	75
c	51	51	51	51
K_cable Ø [mm]	8-24	8-24	8-24	8-24
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	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	
	2	3	2	3
Poles	2	3	2	3
a	150	150	150	150
b	78	78	78	78
c	51	51	51	51
K_cable Ø [mm]	8-24	8-24	8-24	8-24
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	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



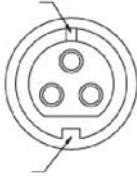
Amp.	Poles	pack. unit	24V~ 50/60Hz without Minor key Cat.No.	42V~ 50/60Hz 12h Cat.No.	24/42V~ 100-200Hz 4h Cat.No.	24/42V~ 300Hz 2h Cat.No.	24/42V~ 400Hz 3h Cat.No.	24/42V~ 401-500Hz 11h Cat.No.	24/42V= DC 10h Cat.No.
------	-------	------------	--	-----------------------------------	---------------------------------------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

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

### Examples:

View: socket (front)

Minor key  
3 pol.



Mayor key  
3 pol.

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

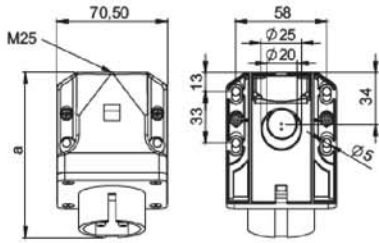


2622v



# Extra-low voltage – plugs and sockets

## Wall mounted plug IP44



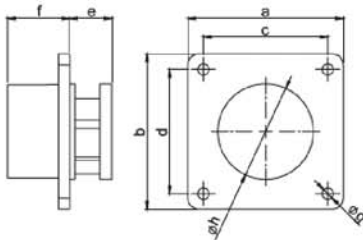
b=height  
angle=15°

	16 Amp		32 Amp	
	2	3	2	3
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 [mm <sup>2</sup> ]	4-10			
solid [mm <sup>2</sup> ]	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

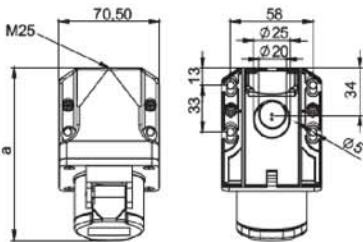


	16 Amp		32 Amp	
	2	3	2	3
Poles	2	3	2	3
Flange				
a x b	70	70	70	70
Fixing center				
c x d	56	56	56	56
e	19	19	19	19
f	28	28	28	28
g	5	5	5	5
h	43	43	43	43
Connection type: Screw terminal				
Wire flexible [mm <sup>2</sup> ]	4-10			
solid [mm <sup>2</sup> ]	4-10			
Contact screws [Ncm]	110 Ncm			
Weight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



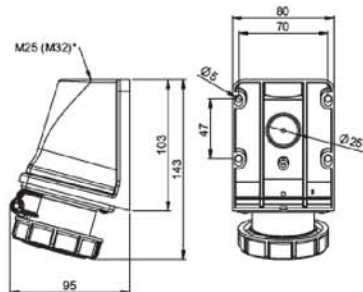
b=height  
angle=15°

	16 Amp		32 Amp	
	2	3	2	3
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 [mm <sup>2</sup> ]	1-10			
solid [mm <sup>2</sup> ]	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



b=height  
angle=15°  
\* M32 on request



	16 Amp		32 Amp	
	2	3	2	3
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 [mm <sup>2</sup> ]	1-10			
solid [mm <sup>2</sup> ]	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~	42V~	24/42V~	24/42V~	24/42V~	24/42V~	24/42V~	24/42V=
			50/60Hz without Minor key	50/60Hz 12h	100-200Hz 4h	300Hz 2h	400Hz 3h	401-500Hz 11h	DC 10h	
			Cat.No.	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	 582-12v
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	 592-10v
32	3	10	573v	593-12v	593-4v	593-2v	593-3v	593-11v	593-10v	

**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	 682-12v
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	 692-10v
32	3	10	673v	693-12v	693-4v	693-2v	693-3v	693-11v	693-10v	

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

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





## 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:

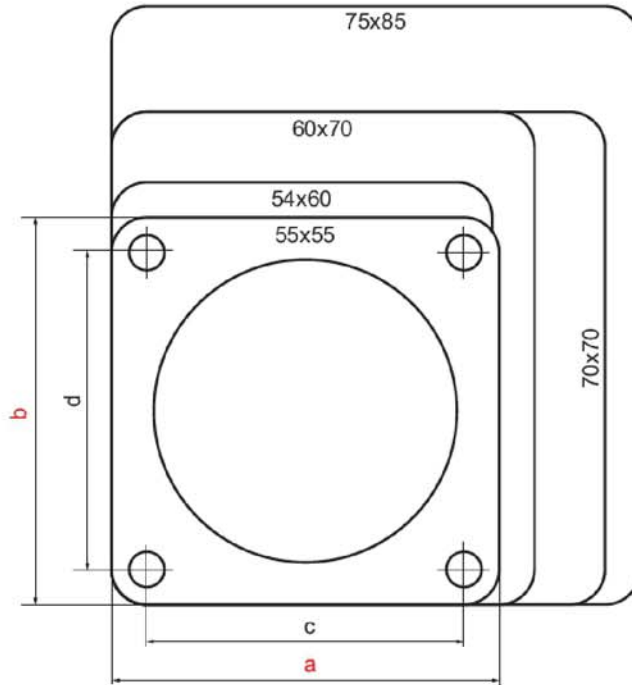
- reinforced lid
- **one-piece housing**
- bigger terminal connection area
- 6 different flanges available (others on request)
- **IP44/54** dust- & splashproof or
- **IP66/67** watertight





# Flanged socket straight

Dimensions:



Versions:

flange		fixing-Center		page	16A		32A	
a	b	c	d	#	2p	3p	2p	3p
54	60	44	44	122-123	IP44	IP44	IP44	IP44
				124-125	IP67	IP67	IP67	IP67
55	55	41	41	122-123	IP44	IP44	IP44	IP44
				122-123	IP44	IP44	IP44	IP44
60	70	47	53	122-123	IP44	IP44	IP44	IP44
70	70	56	56	122-123	IP44	IP44	IP44	IP44
75	85	60	60	122-123	IP44	IP44	IP44	IP44
				124-125	IP67	IP67	IP67	IP67

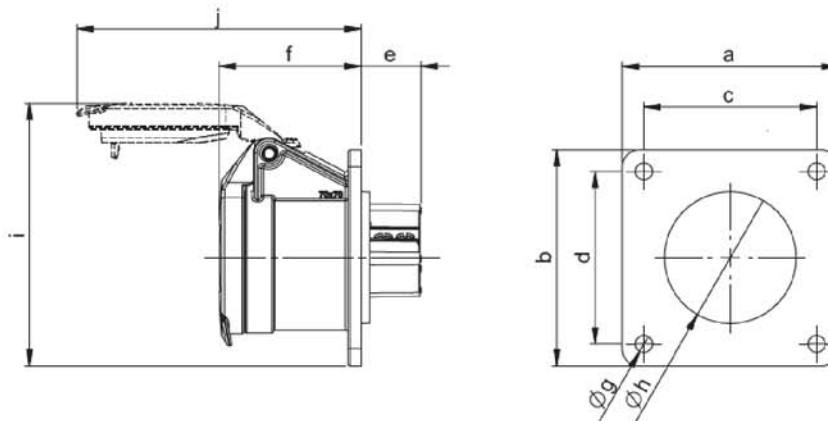


# Extra-low voltage – plugs and sockets

## 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 mm<sup>2</sup>
- Wire solid: 1,5-10 mm<sup>2</sup>
- Contact screws: 110 Ncm

Flange (Fixing center)	Amp.	Poles	24V~	42V~	24/42V~	24/42V~	24/42V~	24/42V~	24/42V~
			50/60Hz without Minor key	50/60Hz 12h	100-200Hz 4h	300Hz 2h	400Hz 3h	401-500Hz 11h	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

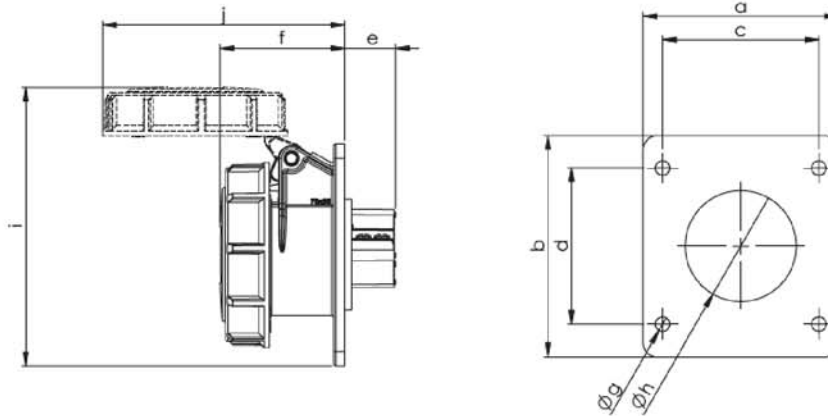


# Extra-low voltage – plugs and sockets

## 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							151
				32	2							131
					3							151
75	85	60	60	16	2	19	48	5,5	43	107	93	145
					3							165
				32	2							145
					3							165

- Connection type: Screw terminal
- Wire flexible: 1-10 mm<sup>2</sup>
- Wire solid: 1,5-10 mm<sup>2</sup>
- Contact screws: 110 Ncm



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

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	

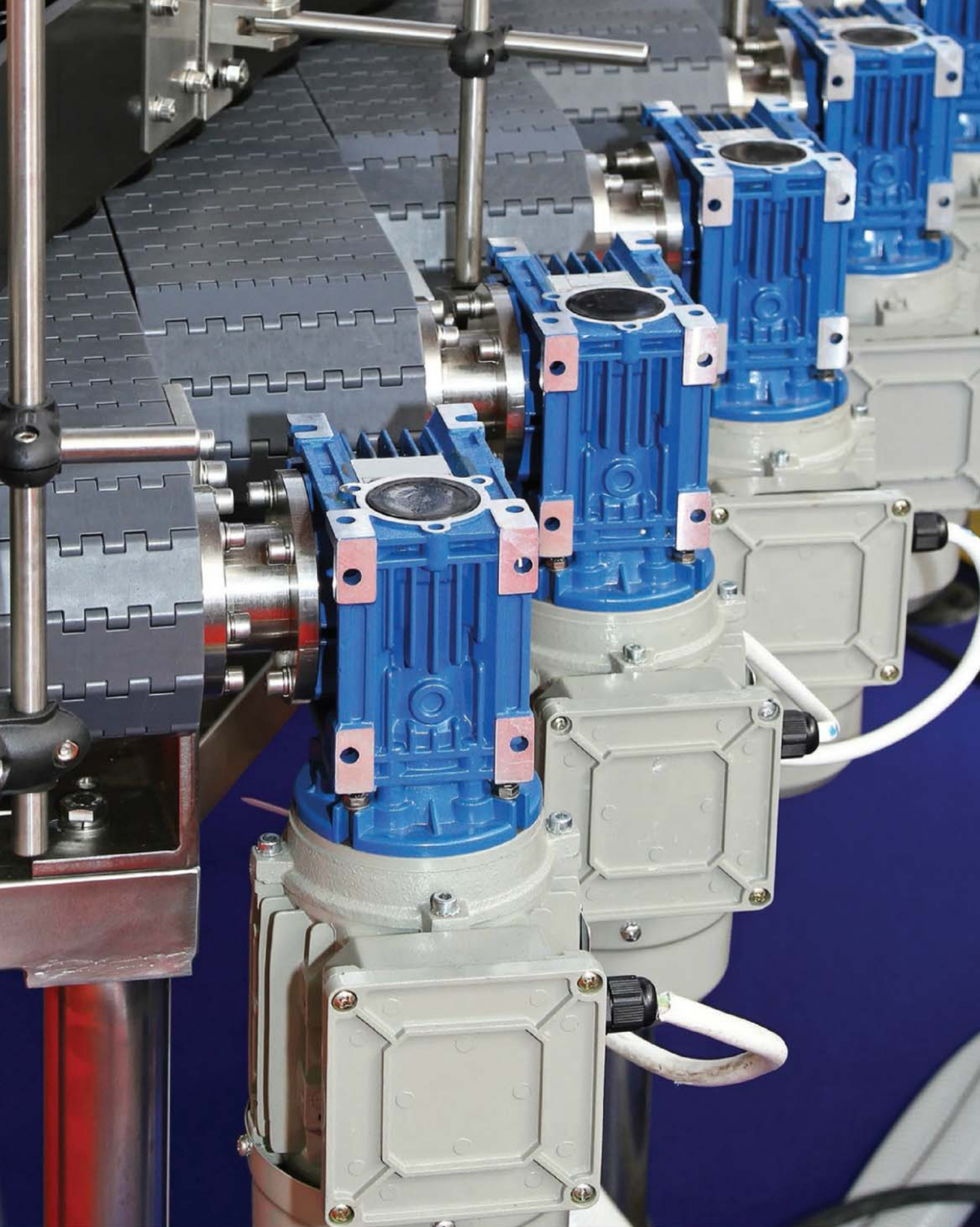


3922-4f9v



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:**

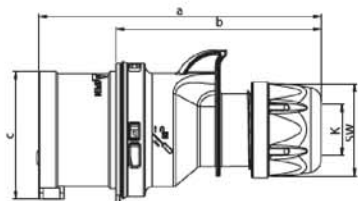
- Plugs and angled plugs
- Flanged and wall mounted plugs
- Connectors and angled connectors
- Flanged and wall mounted sockets

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





# Plugs and sockets 7-poles

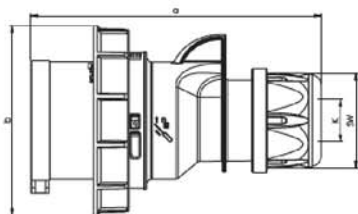


## Shark Plug IP44/54

	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 [mm <sup>2</sup> ]	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

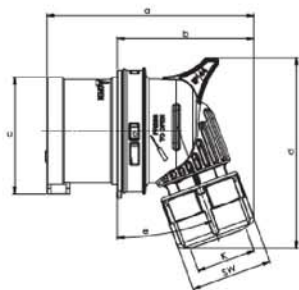


## Shark Plug IP66/67

	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 [mm <sup>2</sup> ]	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

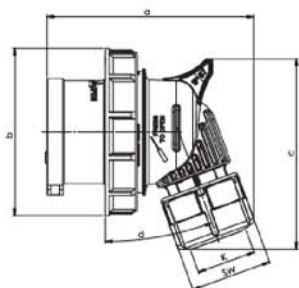


## Twist Angled plug IP44/54

	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 [mm <sup>2</sup> ]	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 [mm <sup>2</sup> ]	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



**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.
16	7	10	017-4v	017-9v	017-6v	017-7v
32	7	10	027-4v	027-9v	027-6v	027-7v
16	7	10	0172-4v	0172-9v	0172-6v	0172-7v
32	7	10	0272-4v	0272-9v	0272-6v	0272-7v
16	7	10	8017-4v	8017-9v	8017-6v	8017-7v
32	7	10	8027-4v	8027-9v	8027-6v	8027-7v
16	7	10	80172-4v	80172-9v	80172-6v	80172-7v
32	7	10	80272-4v	80272-9v	80272-6v	80272-7v



027-6v



0272-6v



8027-6v

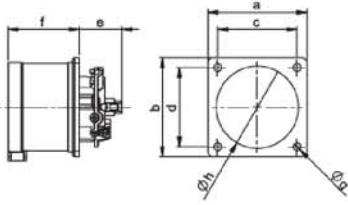


80272-6v



# Plugs and sockets 7-poles

## Flanged plug straight IP44/54

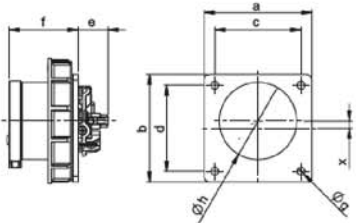


	16 Amp		32 Amp	
Poles	7	7	7	7
a	70	75	70	75
b	70	75	70	75
c	56	60	56	60
d	56	60	56	60
e	28	28	30	30
f	42	42	51	51
Ø g	5,5	5,5	5,5	5,5
Ø h	55	55	55	55
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110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

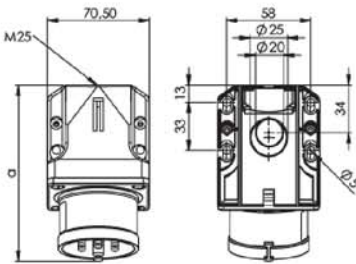


	16 Amp		32 Amp	
Poles	7	7	7	7
a	75	75	75	75
b	75	75	75	75
c	60	60	60	60
d	60	60	60	60
e	28	30	30	30
f	48	58	58	58
Ø g	5,5	5,5	5,5	5,5
Ø h	55	55	55	55
x	5,05	0	0	0
Connection type:	Schraubklemmen			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]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

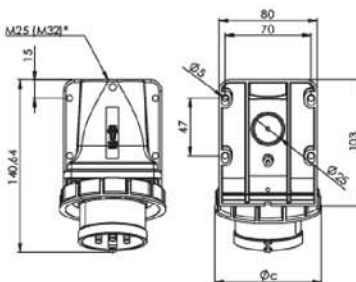


	16 Amp		32 Amp	
Poles	7	7	7	7
a	122	132	132	132
b	79	85	85	85
M	25	25	25	25
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	235	304	304	304

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

**IP44/54** dust- and 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 [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	271	356	356	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



9527-6v



527-6v

16	7	5	5172-4kv	5172-9kv	5172-6kv	5172-7kv
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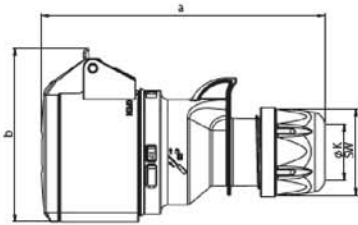
32	7	5	5272-4kv	5272-9kv	5272-6kv	5272-7kv
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5272-6kv



# Plugs and sockets 7-poles

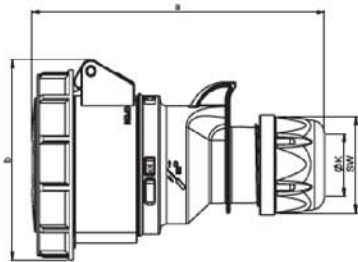


## Shark Connector IP44/54

	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 [mm <sup>2</sup> ]	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

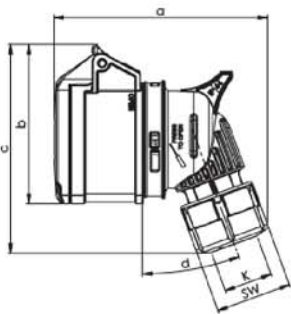


## Shark Connector IP66/67

	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 [mm <sup>2</sup> ]	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

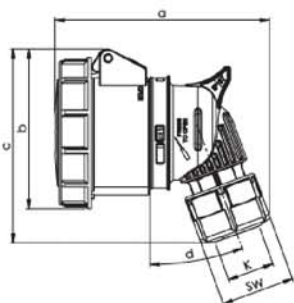


## Twist Angled connector IP44/54

	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 [mm <sup>2</sup> ]	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 [mm <sup>2</sup> ]	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



**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.
16	7	10	217-4v	217-9v	217-6v	217-7v
32	7	10	227-4v	227-9v	227-6v	227-7v
16	7	10	2172-4v	2172-9v	2172-6v	2172-7v
32	7	10	2272-4v	2272-9v	2272-6v	2272-7v
16	7	10	8217-4v	8217-9v	8217-6v	8217-7v
32	7	10	8227-4v	8227-9v	8227-6v	8227-7v
16	7	10	82172-4v	82172-9v	82172-6v	82172-7v
32	7	10	82272-4v	82272-9v	82272-6v	82272-7v



227-6v



2272-6v



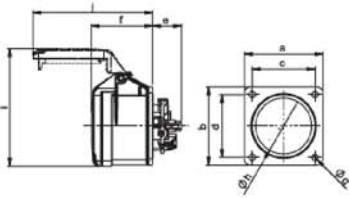
8227-6v



82272-6v



# Plugs and sockets 7-poles

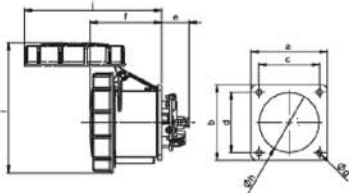


## Flanged socket straight IP44/54

Poles	16 Amp		32 Amp	
	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 [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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

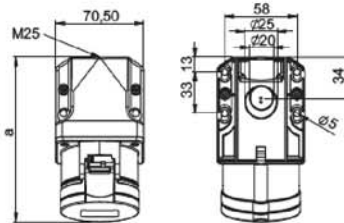


## Flanged socket straight IP66/67

Poles	16 Amp		32 Amp	
	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 [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	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

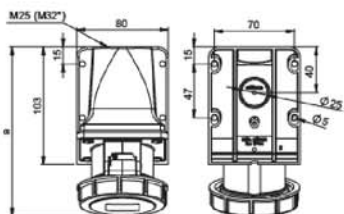
Poles	16 Amp		32 Amp	
	7	7	7	7
a	133		145	
b	100		107	
M	25		25	
Connection type:	Screw terminal			
Wire flexible [mm <sup>2</sup> ]	1-2,5		2,5-6	
solid [mm <sup>2</sup> ]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	261		330	

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

• 917\*, 927\* large housing for wiring through

**IP44/54** dust- and splashproof

b=Height  
Angle=15°



## Wall mounted socket IP66/67

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

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

**IP66/67** watertight

b=Height  
Angle=15°

**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.
<b>with flange 70 x 70 - fixing center 56 x 56</b>						
16	7	10	317-4v	317-9v	317-6v	317-7v
32	7	10	327-4v	327-9v	327-6v	327-7v
<b>with flange 75 x 75 - fixing center 60 x 60</b>						
16	7	10	317-4f7v	317-9f7v	317-6f7v	317-7f7v
32	7	10	327-4f7v	327-9f7v	327-6f7v	327-7f7v



327-6v

<b>with flange 70 x 70 - fixing center 56 x 56</b>						
16	7	10	3172-4f70v	3172-9f70v	3172-6f70v	3172-7f70v
32	7	10	3272-4f70v	3272-9f70v	3272-6f70v	3272-7f70v
<b>with flange 75 x 75 - fixing center 60 x 60</b>						
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
<b>for wiring through (M25 top, 2xM25 bottom)</b>						
16	7	5	917-4v	917-9v	917-6v	917-7v
32	7	5	927-4v	927-9v	927-6v	927-7v



927-6v



127-6v

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

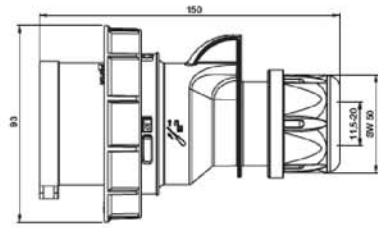
- 32A 4p 3h 440V
- nickel-plated contacts

IP67 watertight



0242-3v

pack.unit: 10



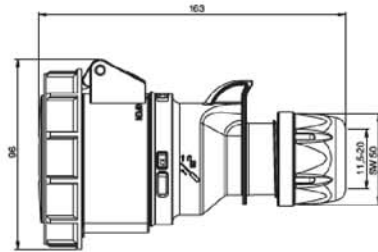
## Shark Container Connector

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

IP67 watertight

2242-3v

pack.unit: 10



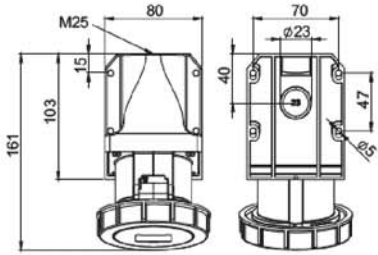
## Container Wall socket

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

IP67 watertight

1242-3v

pack.unit: 5



height=108mm  
angle=15°



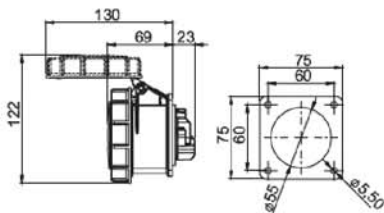
## Container Flanged socket straight

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

IP67 watertight

3242-3v

pack.unit: 10



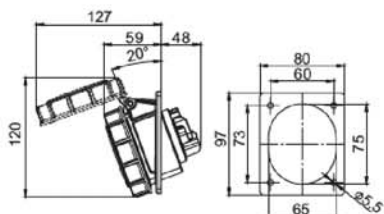
## Container Flanged socket sloping

- 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

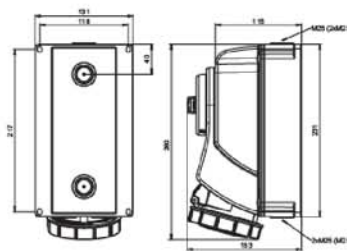
- 32A 4p 3h 440V
- nickel-plated contacts
- up to 3 x M25 cable entries
- mechanical interlock
- lockable by padlock

IP67 watertight



75242-3

pack.unit: 1



## Container Switched interlocked socket with fuse

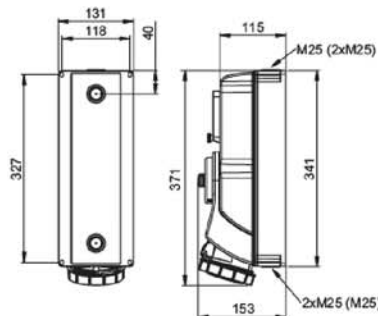
- 32A 4p 3h 440V
- nickel-plated contacts
- cylindrical fuse D02-3p 440V
- up to 3 x M25 cable entries
- mechanical interlock
- lockable by padlock

IP67 watertight



78242-3

pack.unit: 1



## Container Switched interlocked socket with DIN rail

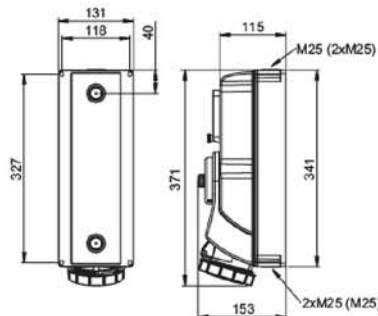
- 32A 4p 3h 440V
- nickel-plated contacts
- DIN rail with window for 5 modules
- up to 3 x M25 cable entries
- mechanical interlock
- lockable by padlock

IP67 watertight



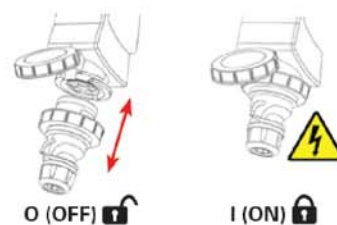
76242-3

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 290)







































































































































































































































































































































































































































