

PCE

Connection
to the future

2010|11

Made in Austria



Industrial plugs and sockets



St. Martin im Innkreis, Austria, aerial photo © air photograph-Scheurecker, Schärding

■ ■ ■ QUALITY MANAGEMENT

for maximum customer satisfaction and top performance (EN ISO 9001:2008 Certification)

■ ■ ■ CUSTOMER FOCUS

- Partnership relationship
- Reliable service
- Flexible operations
- Customized solutions
- Functional design

■ ■ ■ GLOBAL MARKET POSITION

- 80% exports
- Global network and alliances
- Fast communication system – short replying time

■ ■ ■ SPEED

Short delivery times due to flexible manufacturing

The PCE group is highly specialized in the production of industrial plugs and sockets, schuko socket outlets and switches and can offer a complete range of distribution boxes in rubber, metallic and plastic.



PC Electric GesmbH, St. Martin im Innkreis, Austria

is specialized in the production of industrial plugs and sockets and distribution boxes (year of foundation: 1973).

During the past few years, the company has gone through a phase of rapid development and is now one of the world's leading manufacturers of CEE plugs and sockets in the industry. 80% of our production is exported.

The company is continually expanding its product range, which now includes around 12,000 items for a wide variety of electrical installation applications. To supplement our standard products, we can produce customer-specific configurations on modern injection moulding and brass department equipment within a few days.

Top quality (EN ISO 9001:2008), flexibility and the ongoing willingness to innovate are among the most important keys of success in our customercentred strategy, speed is our driving principle. For years, our customers have benefited from fast and on-time delivery, which is made possible by our intelligent production methods and uncomplicated order processing.

This is something we value very highly at our company.

Continuous product and process innovation makes PC Electric an expert partner in the professional use of industrial plugs and sockets for electrical installation applications.



PCE MERZ, Gaildorf, Germany

Merz GmbH is one of the leading manufacturer of mobile distribution boxes, testing boards and switchgears.

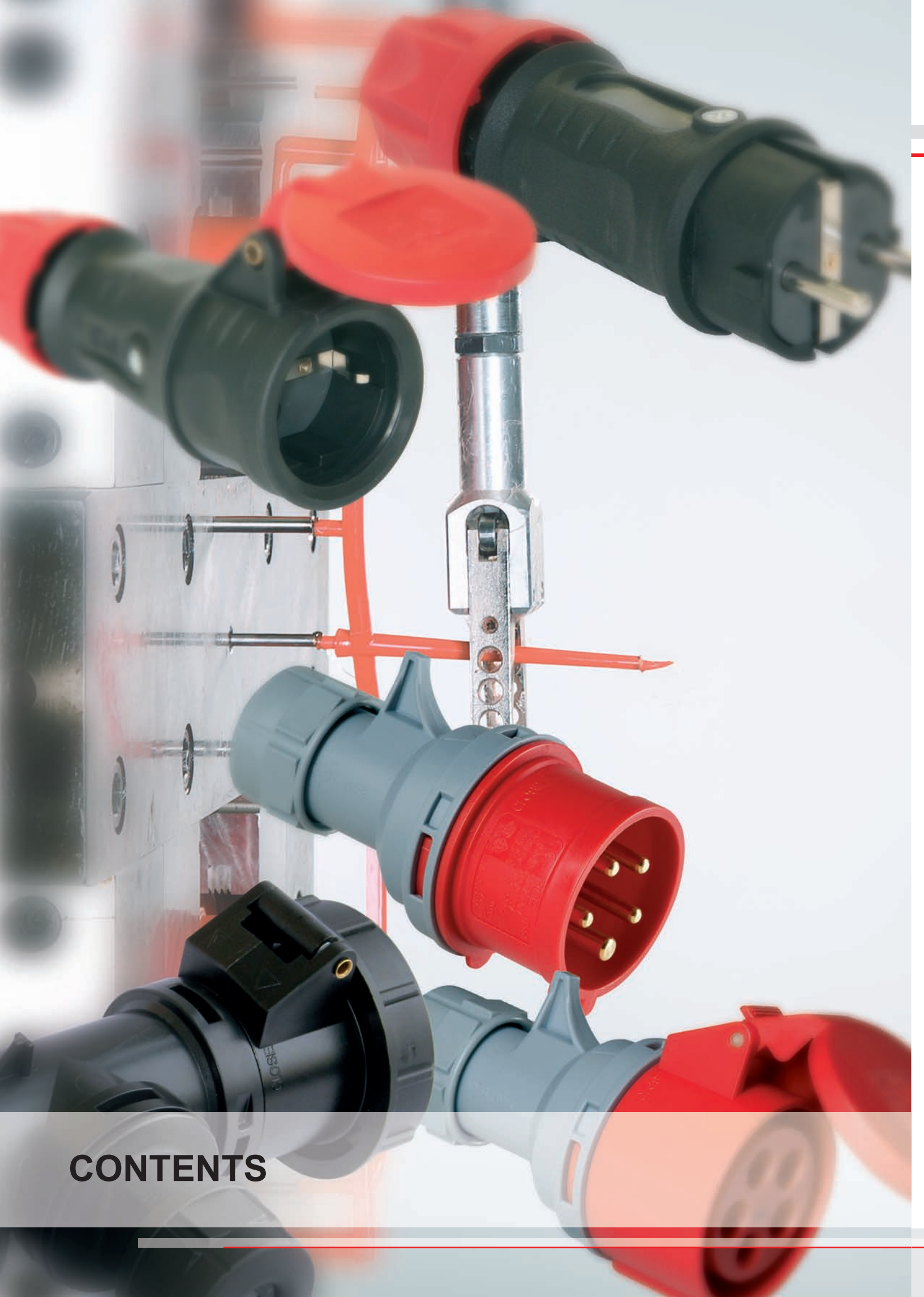


Winkler GmbH, Ingolstadt, Germany

Winkler GmbH is specialised in switching and electrical systems up to 6000A, which are made for many industrial areas, public buildings and even up to large scale industry.

Winkler GmbH have many years of experience. Several well known companies are the well sought-after partners of Winkler GmbH.





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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.

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, Denmark, Germany, Estonia, Finland, France, Greece, Hungary, Ireland, Iceland, Italy, Latvia, Lithuania, Luxemburg, Malta, Netherlands, Norway, Poland, Portugal, Rumania, Slovakia, Sweden, Switzerland, Spain 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 9).

■ ■ ROHS — DIRECTIVE 2002/95/EG

We declare that our distribution boxes and industrial plugs and sockets as direct use, do not have to comply to RoHS directive 2002/95/EG.

For our industrial plugs and sockets (including CEE) used and or mounted into products that belong to categories 1-8 they have to comply to RoHS directive. We want to confirm that PC Electric meets all requirements of RoHS directive.

Affective Products of RoHS directive: Large household appliances, small household appliances, IT and telecommunications equipment, consumer equipment, lighting, electrical and electronic tools (except large scale stationary industrial tools), toys, leisure and sports equipment and automatic dispensers.

■ ■ 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 couplings 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:		
Kind of connection:		Screw terminals
wire	flexible [mm ²]	1 - 2,5
	solid [mm ²]	1 - 4
Contact screws [Ncm]		100 Ncm

Information

PCS (PILOT CONTACT SYSTEM):

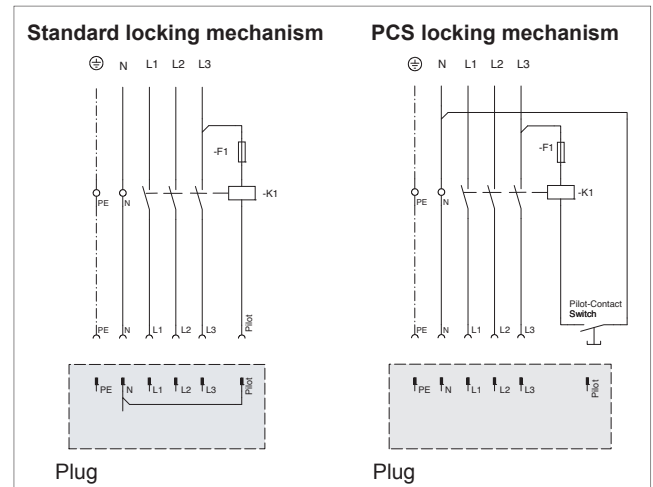
The PCS is a built-in auxiliary contact, used only for 63A and 125A connectors and socket-outlets, for protective electrical interlocking or for additional control purposes, with isolated connection in the socket-outlet. CEE connectors and sockets have longer phase contacts and guarantee no finger protection;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

The PCS provides the following advantages:

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

Technical Datas:

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



TERMINALS

PCE – connection terminals are laid out for the following cross-sections:

Connection cross-section for PCE-products

Rated current	wire flexible [mm ²]	wire fixed (single or stranded) [mm ²]
16A	1-2,5	1-4
32A	2,5-6	2,5-10
63A	6-16	6-25
125A	16-50	16-70

Rated current	wire flexible [mm ²]	wire fixed (single or stranded) [mm ²]
P-Nova and P-Nova Plus socket	1 - 2x2,5	1 - 2x2,5
Taurus and TopTaurus plug	0,75-2,5	
Taurus and TopTaurus connector	1-2,5	
Taurus 3-way connector	1-2,5	

DISMANTLING AND STRIPPING LENGHT

Recommended datas for PCE products

Rated current	Dismantling length [mm]	Stripping length [mm]
16A	50	10-12
32A	50	12-14
63A	100	12-18
125A	100	18-20
Taurus and Top Taurus	30	7
P-Nova		10
P-Nova (screwless)		8-14
P-Nova Plus		8-10

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

Voltage V	Frequency Hz	2P+E		3P+E		3P+N+E	
		16+32A	63+125A	16+32A	63+125A	16+32A	63+125A
63,5/110 to 75/130	50+60					4	4
110 to 130	50+60	4	4	4	4		
120/208 to 144/250	50+60					9	9
220 to 250	50+60	6	6	9	9		
220/380 to 240/415	50+60					6	6
220/380; 250/440	50; 60					3	3*
250/400 to 265/460	60					11	11
277	60	5	5				
277/480 to 288/500	50+60					7	7
347/600 to 400/690	50+60					5	5
380 to 415	50+60	9	9	6	6		
380; 440	50; 60			3	3*		
440 to 460	60			11	11		
480 to 500	50+60	7	7	7	7		
600 to 690	50+60			5	5		
> 50	100 to 300	10*	10*	10	10*	10*	10*
> 50	>300 to 500	2	2*	2	2*	2	2*
> 50 to 250	DC	3	3				
> 250	DC	8	8				
supply by isolating transformer	50+60	12	12	12	12		

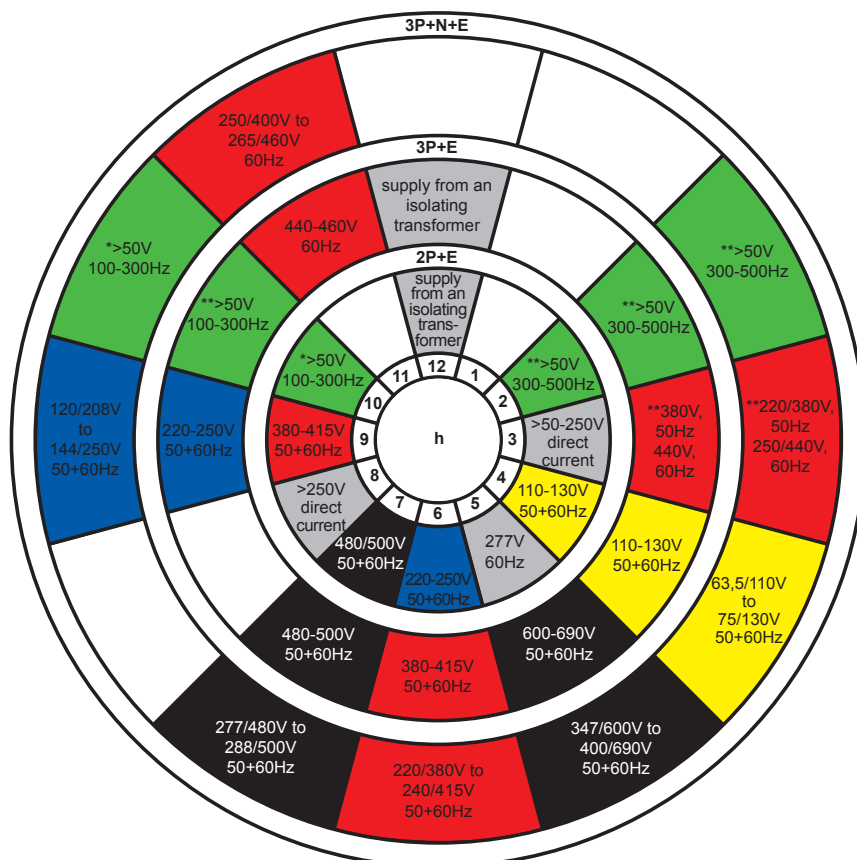
* non standard

COLOUR CODES

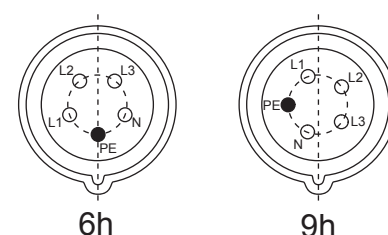
For ease of identification of the various voltages and frequencies all CEE plugs and sockets are colour coded:

Rated operating voltage:	Colour code:
20-25V	violet
40-50V	white
100-130V	yellow
200-250V	blue
380-480V	red
500-690V	black
> 60-500Hz	green
no colour code	grey

INTERNATIONAL RATING – SERIE I



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



* non standard
** non standard for 63A, 125A

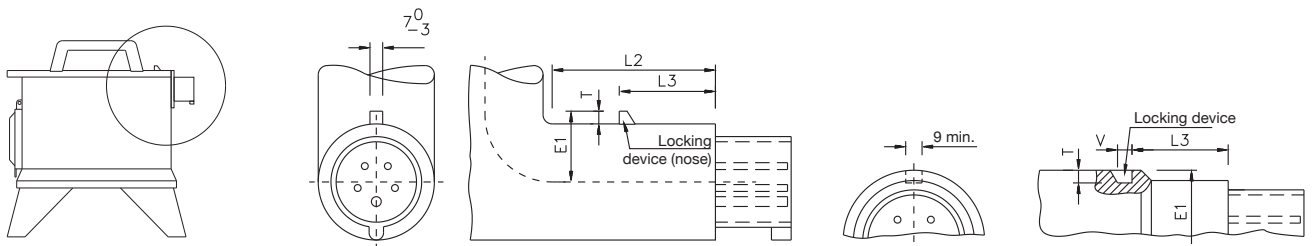
Information

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	T	V
16	3	29-31	>75	40-41	>4	>8
16	4	33-35	>80	46-47	>5	>8
16	5	37-39	>90	52-53	>7	>8
32	3	39-41	>90	53-54	>7	>8
32	4	39-41	>90	53-54	>7	>8
32	5	44-46	>105	59-60	>8	>9

IP (INGRESS PROTECTION) - RATINGS

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

The protection degree is tested:

- on sockets and connectors, with and without inserted plug or appliance plug
- 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	∅ 12,5 mm	0	non protection
3	∅ 2,5 mm	3	spraying water at an angle up to 60° from the vertical
4	∅ 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 ∅
 = 2nd digit = 4 . protection against splashing water from any direction

■ ■ IK-CODE:

The IK code is a coding system according to EN 50102, 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**. The main characteristics of this material 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 2002/95/EG (page 7)

PCE - overview chemical resistance:

Chemicals	Concentration	Resistance	
		PA6	PC/ABS
acetone		+	-
aldehyde		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

CONTACTS

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

- high electric conducting capacity 15m/(Ohm mm²);
- high resistance to extension up to 103 kN/mm²);
- 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 7)
- PCE sockets 63A and 125A have a CuBe lamellar spring for a well contacting and anti-corrosion contacts (page 15).

TEMPERATURES





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. PCE CEE plugs and sockets themselves have an operating temperature of -25°C to +80°C (100°C for 1 hour).





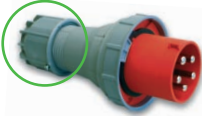
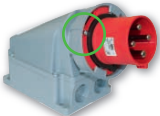






The temperature of the contacts is allowed to rise by 50°C under the test conditions set out in Table 8.

Table 8			Cross section of the conductors	
Operating current	Test duration	Test current	Plugs, and connectors	Sockets
A	h	A	mm²	mm²
16	1	22	2,5 ¹⁾	4 ¹⁾
32	1	42	6 ¹⁾	10
63	2	63	16	25
125	2	125	50	70

1) The values are increased to 10mm² for plugs and sockets with up to 50V rated operating current.

TORQUES FOR PCE PRODUCTS

Rated current	Series	Torques [Ncm]
16A	Cable gland	 400
	Housing screws	 110
	Connecting screws	 180
	Cable gland >50V	 600

Rated current	Series		Torques [Ncm]
32A	Cable gland		500
	Housing screws		110
	Connecting screws		180
	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

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

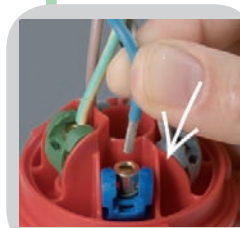
Dismantling

- 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

TURBO TWIST



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 2,5mm² flexible to 4mm² solid stripped wires
- 32A: from 6mm² flexible to 10mm² solid stripped wires

Flexible stripped wires

- with or without end sleeve or solid stripped wires

63/125A

SAFETY

HEAVY DUTY

TIME SAVING

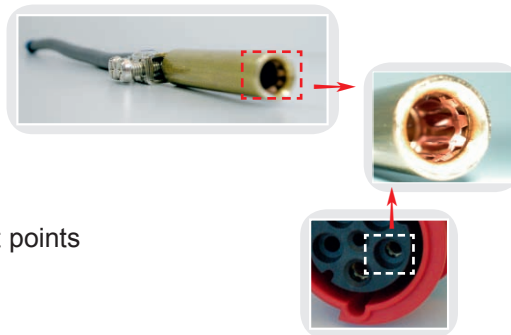
SAFETY

Lamellar spring

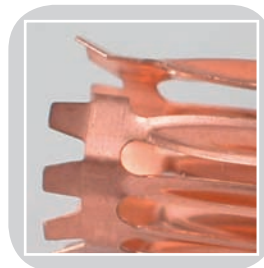
- low insertion and extraction forces
- minimum contact resistance
- self-cleaning
- optimum contact - at least 10 contact points

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

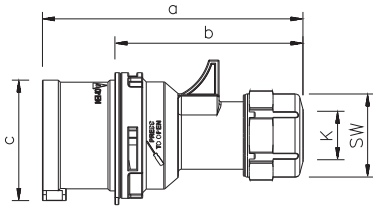
16A - 125A

Industrial plugs and sockets 16A - 125A

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Plugs

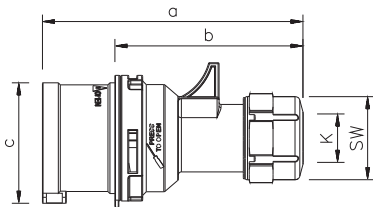


„Twist“ Plug

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	118	124	131	146	146	152
b	82	88	95	100	100	106
c	47	53	61	63	63	70
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	38	38	42	50	50	50
Weight [g]	104	127	150	181	200	230

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

IP44 splashproof

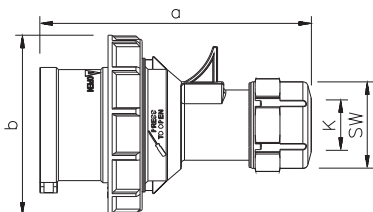


„Turbo Twist“ Plug

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	118	124	131	146	146	152
b	82	88	95	100	100	106
c	47	53	61	63	63	70
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
SW	38	38	42	50	50	50
Weight [g]	110	135	158	187	208	242

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

IP44 splashproof

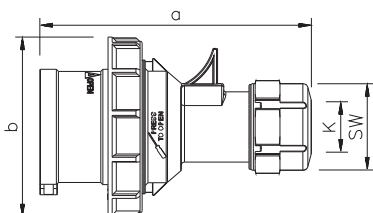


„Twist“ Plug

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	118	124	131	146	146	152
b	71	79	87	93	93	100
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	38	38	42	50	50	50
Weight [g]	122	147	172	210	230	263

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

IP67 watertight



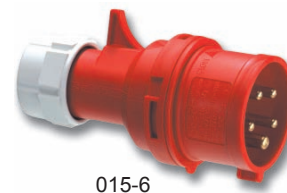
„Turbo Twist“ Plug

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	118	124	131	146	146	152
b	71	79	87	93	93	100
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
SW	38	38	42	50	50	50
Weight [g]	128	155	180	216	238	275

- 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~	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.
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



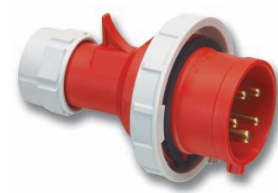
015-6

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			



013-6TT

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			

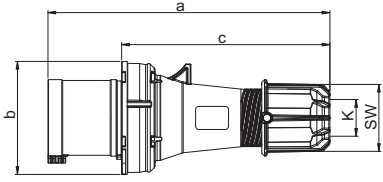


0132-6TT



Plugs

„Power Twist“ Plug

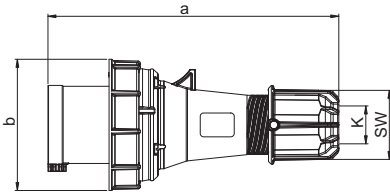


	63 Amp		
	3	4	5
Poles	3	4	5
a	257	257	257
b	190	190	190
c	102	102	102
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	500	549	603

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts with pilot contact (see page 7)

IP44 splashproof

„Power Twist“ Plug

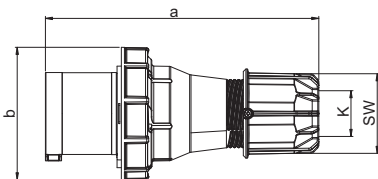


	63 Amp		
	3	4	5
Poles	3	4	5
a	257	257	257
b	114	114	114
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	547	596	650

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts with pilot contact (see page 7)

IP66/67 watertight

„Power Twist“ Plug



	125 Amp		
	3	4	5
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
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	16-50		
Contact screws [Ncm]	450 Ncm		
SW	80	80	80
Weight [g]	1318	1433	1545

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts with pilot contact (see page 7)

IP66/67 watertight

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

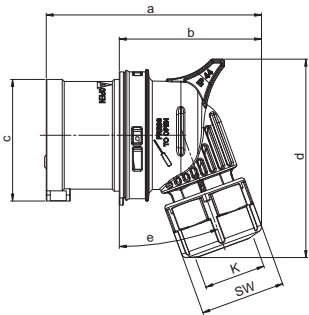
125	3	2	043-4	043-6	043-9	043-7	043-10	043-2
125	4	2	044-4	044-9	044-6	044-7	044-10	044-2
125	5	2	045-4	045-9	045-6	045-7	045-10	045-2



045-6



Angled plugs

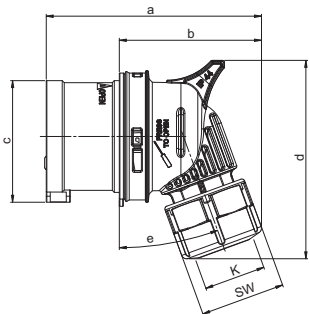


„Twist“ Angled plug

	16 Amp		32 Amp	
Poles	3	4	5	5
a	96	98	108	135
b	59	62	71	90
c	47	53	61	70
d	82	87	99	114
e [°]	15	15	20	25
K_cable Ø [mm]	6-15	6-15	8-16	12-22
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110Ncm	
SW	38	38	42	50
Weight [g]	104	122	152	233

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

IP44 splashproof

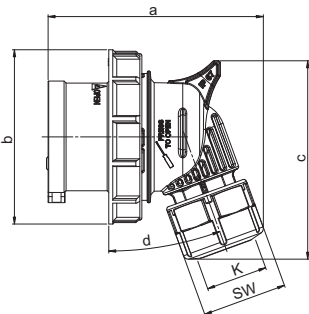


„Turbo Twist“ Angled plug

	16 Amp		32 Amp	
Poles	3	4	5	5
a	96	98	108	135
b	59	62	71	90
c	47	53	61	70
d	82	87	99	114
e [°]	15	15	20	25
K_cable Ø [mm]	6-15	6-15	8-16	12-22
Kind of connection:	Screwless terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
SW	38	38	42	50
Weight [g]	110	130	160	245

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

IP44 splashproof

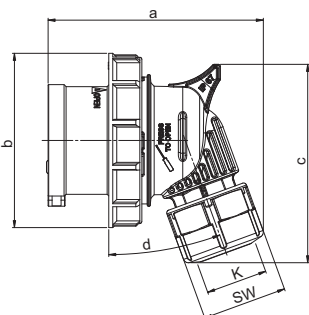


„Twist“ Angled plug

	16 Amp		32 Amp	
Poles	3	4	5	5
a	96	98	108	135
b	71	79	87	100
c	82	87	99	114
d [°]	15	15	20	25
K_cable Ø [mm]	6-15	6-15	8-16	12-22
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110Ncm	
SW	38	38	42	50
Weight [g]	120	144	181	172

- with screw terminals
- housing material
16/3 16/4: PA6
16/5 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

	16 Amp		32 Amp	
Poles	3	4	5	5
a	96	98	108	135
b	71	79	87	100
c	82	87	99	114
d [°]	15	15	20	25
K_cable Ø [mm]	6-15	6-15	8-16	12-22
Kind of connection:	Screwless terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
SW	38	38	42	50
Weight [g]	126	152	189	284

- screwless connection technology
- housing material
16/3 16/4: PA6
16/5 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~	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.
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	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	5	10	8025-4TT	8025-9TT	8025-6TT			



8013-6TT

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



example for connection



80142-6TT



Wall mounted plugs

Wall mounted plug

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
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	205	213	238	258	273	319

- 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. cable gland

IP44 splashproof

„Turbo Twist“ Wall mounted plug

Poles	16 Amp		32 Amp	
	3	5	4	5
a	120	122	131	132
b	76	79	82	85
M	25	25	25	25
Kind of connection:	Screwless terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Weight [g]	207	242	279	328

- 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. cable gland

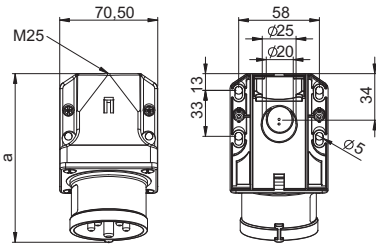
IP44 splashproof

Wall mounted plug

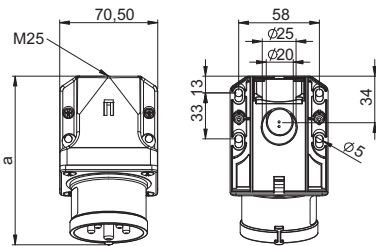
Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	127	128	128	137	137	140
b	92	94	97	99	99	104
M	25	25	25	25	25	25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	240	252	271	290	310	336

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

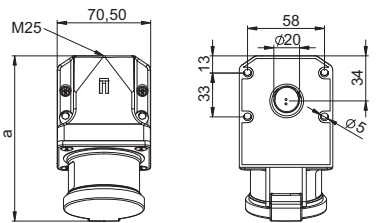
IP44 splashproof



b=height
angle=15°



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.
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			

TURBO
TWIS
>click<



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



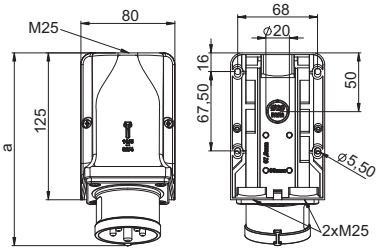
Wall mounted plugs

Wall mounted plug

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
Kind of connection:				Screw terminal		
Wire flexible [mm ²]				2,5-6		
solid [mm ²]				1-4		
Contact screws [Ncm]				100 Ncm		
Weight [g]				304 318 335 343 363 383		

- 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. cable gland

IP44 splashproof



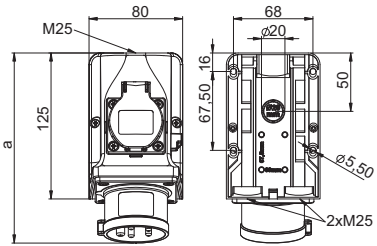
b=height
angle=15°

Wall mounted plug - COMBO

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
Kind of connection:				Screw terminal		
Wire flexible [mm ²]				2,5-6		
solid [mm ²]				1-4		
Contact screws CEE [Ncm]				100 Ncm		
Screw terminals [Ncm]				120 Ncm		
Weight [g]				321 335 351 359 379 399		

- with screw terminals
- wall mounted plug with integrated socket (DIN 49440)
- connecting terminals up to 10mm²
- **ready wired**
- for plug 32A the socket 16A (DIN 49440) 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. cable gland
- special design with Belg./French socket outlet or non wired version are available on request

IP44 splashproof



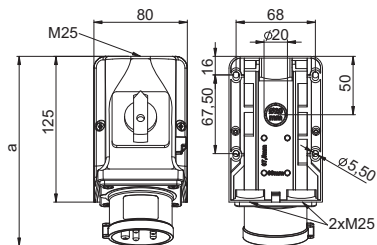
b=height
angle=15°

Wall mounted plug with switch

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

- with screw terminals
- wall mounting plug with integrated ON/OFF switch AC22A, 4kA according to EN 60947-3
- **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. cable gland

IP44 splashproof



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



9515-6

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



95215-6



95225-6

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

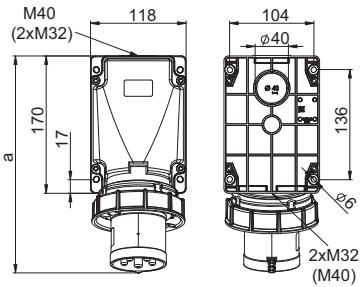


75615-6



Wall mounted plugs

„Power Twist“ Wall mounted plug



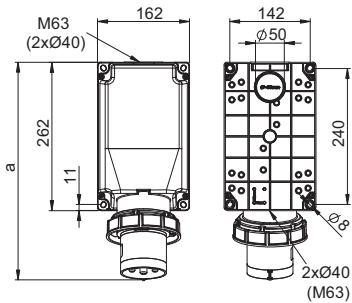
	63 Amp		
	3	4	5
Poles	3	4	5
a	271	271	271
b	175	175	175
Kind of connection: Contact frame with screws			
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	812	864	914

- contact frame with screws
- housing material: PC/ABS
- contacts: nickel-plated contacts, with pilot contact (see page 7)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. blank cable gland
- for waterproof cover and cable-glands see accessories page 42

IP66/67 watertight

b=height
angle=15°

„Power Twist“ Wall mounted plug



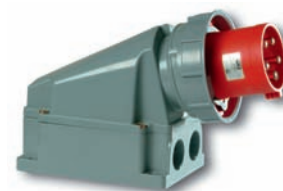
	63 Amp		
	3	4	5
Poles	3	4	5
a	387	387	387
b	209	209	209
Kind of connection: Contact frame with screws			
Wire flexible [mm ²]	16-50		
solid [mm ²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	1760	1800	1840

- contact frame with screws
- housing material: PC/ABS
- contacts: nickel-plated contacts, with pilot contact (see page 7)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. blank cable gland
- for waterproof cover and cable-glands see accessories page 42

IP66/67 watertight

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

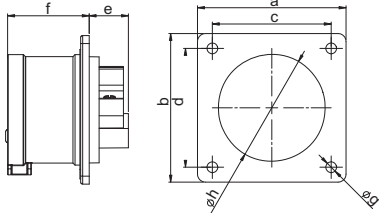
125	3	1	543-4	543-6	543-9	543-7	543-10	543-2
125	4	1	544-4	544-9	544-6	544-7	544-10	544-2
125	5	1	545-4	545-9	545-6	545-7	545-10	545-2



545-6



Flanged plugs

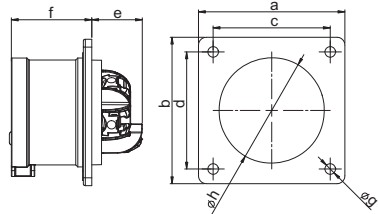


Flanged plug straight

	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
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	2,5-6
solid [mm ²]	1-4	2,5-10
Contact screws [Ncm]	100 Ncm	110 Ncm
Weight [g]	115	164

- 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

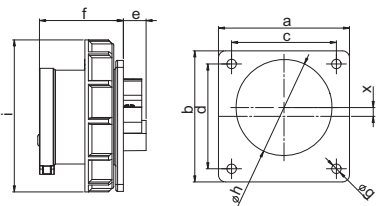


„Turbo Twist“ Flanged plug straight

	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
Kind of connection:	Screwless terminal	
Wire flexible [mm ²]	1-2,5	2,5-6
solid [mm ²]	1-4	2,5-10
Weight [g]	120	172

- 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

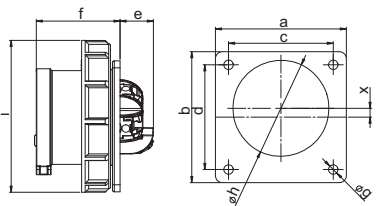


Flanged plug straight

	16 Amp		32 Amp
Poles	3	5	5
Flange			
a x b	75	75	75
Fixing center			
c x d	60	60	60
e	15	13	14
f	48	48	58
g	5,5	5,5	5,5
h	43	55	55
i	71	87	100
x	11,3	5,05	0
Kind of connection:	Screw terminal		
Wire flexible [mm ²]	1-2,5		2,5-6
solid [mm ²]	1-4		2,5-10
Contact screws [Ncm]	100 Ncm		110 Ncm
Weight [g]	107	145	209

- 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 and 16A 5p the plug is placed off centered for keeping the standards

IP67 watertight



„Turbo Twist“ Flanged plug straight

	16 Amp		32 Amp
Poles	3	5	5
Flange			
a x b	75	75	75
Fixing center			
c x d	60	60	60
e	20	20	21
f	48	48	58
g	5,5	5,5	5,5
h	43	55	55
i	71	87	100
x	11,3	5,05	0
Kind of connection:	Screwless terminal		
Wire flexible [mm ²]	1-2,5		2,5-6
solid [mm ²]	1-4		2,5-10
Weight [g]	109	149	215

- 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 and 16A 5p the plug is placed off centered for keeping the standards

IP67 watertight

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
			50/60Hz 4h	50/60Hz 3p=6h 4p+5p=9h	50/60Hz 3p=9h 4p+5p=6h	50/60Hz 7h	100-300Hz 10h	301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
with flange 75 x 75								
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

with flange 75 x 75								
16	5	10	615-4TTf7	615-9TTf7	615-6TTf7			
32	5	10	625-4TTf7	625-9TTf7	625-6TTf7			



615-6TTf7

with flange 75 x 75								
16	3	10	6132-4	6132-6	6132-9	6132-7	6132-10	6132-2
16	5	10	6152-4	6152-9	6152-6	6152-7	6152-10	6152-2
32	5	10	6252-4	6252-9	6252-6	6252-7	6252-10	6252-2



6152-6

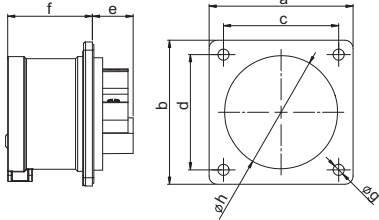
with flange 75 x 75								
16	3	10	6132-4TT	6132-6TT	6132-9TT			
16	5	10	6152-4TT	6152-9TT	6152-6TT			
32	5	10	6252-4TT	6252-9TT	6252-6TT			



6152-6TT



Flanged plugs

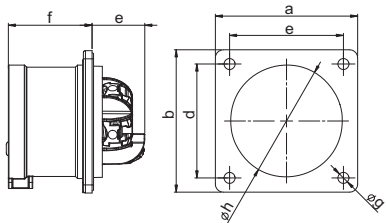


Flanged plug straight

	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
Flange						
a x b	70	70	70	70	70	70
Fixing center						
c x d	56	56	56	56	56	56
e	21	21	20	21	21	21
f	42	42	42	51	51	51
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	43	55	55	55	55
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	82	96	112	120	140	160

- 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 below)

IP44 splashproof

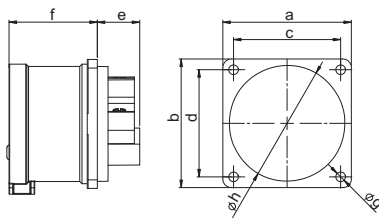


„Turbo Twist“ Flanged plug straight

	16 Amp		32 Amp	
	3	5	4	5
Poles	3	5	4	5
Flange				
a x b	70	70	70	70
Fixing center				
c x d	56	56	56	56
e	26	26	29	29
f	42	42	51	51
g	5,5	5,5	5,5	5,5
h	43	55	55	55
Kind of connection:	Screwless terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Weight [g]	84	116	146	169

- 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 below)

IP44 splashproof

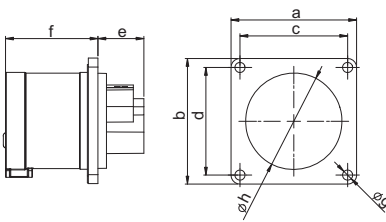


Flanged plug straight

	16 Amp		
	3	4	5
Poles	3	4	5
Flange			
a x b	60	60	60
Fixing center			
c x d	50	50	50
e	21	21	20
f	42	42	42
g	4,5	4,5	4,5
h	43	43	55
Kind of connection:	Screw terminal		
Wire flexible [mm ²]	1-2,5		
solid [mm ²]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]	76	91	106

- 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 below)

IP44 splashproof

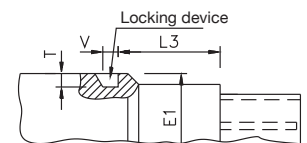
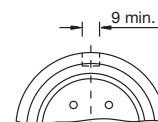
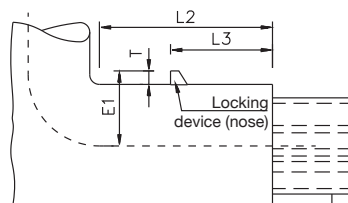
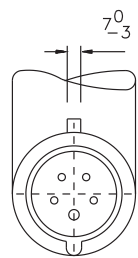
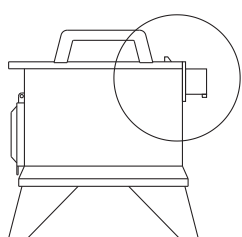


Flanged plug straight

	16 Amp	
	3	4
Poles	3	4
Flange		
a x b	56	56
Fixing center		
c x d	48	48
e	21	21
f	42	42
g	4,5	4,5
h	43	43
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	
solid [mm ²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	74	89

- 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 below)

IP44 splashproof



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.
with flange 70 x 70								
16	3	10	613-4	613-6	613-9	613-7	613-10	613-2
16	4	10	614-4	614-9	614-6	614-7	614-10	614-2
16	5	10	615-4	615-9	615-6	615-7	615-10	615-2
32	3	10	623-4	623-6	623-9	623-7	623-10	623-2
32	4	10	624-4	624-9	624-6	624-7	624-10	624-2
32	5	10	625-4	625-9	625-6	625-7	625-10	625-2



613-4

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.
with flange 70 x 70								
16	3	10	613-4TT	613-6TT	613-9TT			
16	5	10	615-4TT	615-9TT	615-6TT			
32	4	10	624-4TT	624-9TT	624-6TT			
32	5	10	625-4TT	625-9TT	625-6TT			



613-4TT

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.
with flange 60 x 60								
16	3	10	613-4f6	613-6f6	613-9f6	613-7f6	613-10f6	613-2f6
16	4	10	614-4f6	614-9f6	614-6f6	614-7f6	614-10f6	614-2f6
16	5	10	615-4f6	615-9f6	615-6f6	615-7f6	615-10f6	615-2f6



613-6f6

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.
with flange 56 x 56								
16	3	10	613-4f3	613-6f3	613-9f3	613-7f3	613-10f3	613-2f3
16	4	10	614-4f3	614-9f3	614-6f3	614-7f3	614-10f3	614-2f3



614-6f3

Positioning table (in mm):

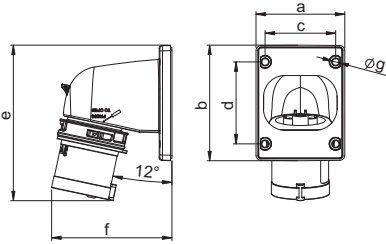
		E1	L2	L3	T	V
16	3	29-31	>75	40-41	>4	>8
16	4	33-35	>80	46-47	>5	>8
16	5	37-39	>90	52-53	>7	>8
32	3	39-41	>90	53-54	>7	>8
32	4	39-41	>90	53-54	>7	>8
32	5	44-46	>105	59-60	>8	>9

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



Flanged plugs

„Twist“ Flanged plug angled

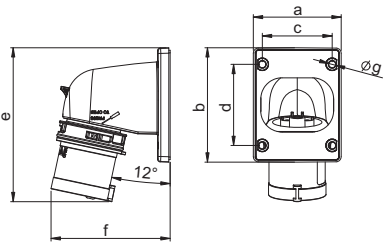


Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5
Kind of connection: Screw terminal						
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	129	143	187	200	220	244

- 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

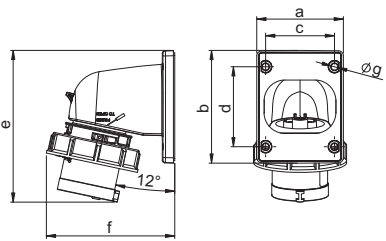


Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5
Kind of connection: Screwless terminal						
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	135	151	195	206	228	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

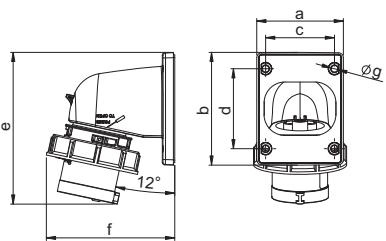


Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	66	66	90	90	90	90
b	86	86	100	100	100	100
c	53	53	77	77	77	77
d	61	61	85	85	85	85
e	116	117	153	163	163	164
f	90	93	98	100	100	103
g	5	5	5	5	5	5
Kind of connection: Screw terminal						
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	146	165	212	231	251	275

- 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



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
Kind of connection: Screwless terminal						
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	152	173	220	237	259	287

- 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~	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.
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	10	77723-4	77723-6	77723-9	77723-7	77723-10	77723-2
32	4	10	77724-4	77724-9	77724-6	77724-7	77724-10	77724-2
32	5	10	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	10	77723-4TT	77723-6TT	77723-9TT			
32	4	10	77724-4TT	77724-9TT	77724-6TT			
32	5	10	77725-4TT	77725-9TT	77725-6TT			

TURBO
TWIS
click



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	10	777152-4	777152-9	777152-6	777152-7	777152-10	777152-2
32	3	10	777232-4	777232-6	777232-9	777232-7	777232-10	777232-2
32	4	10	777242-4	777242-9	777242-6	777242-7	777242-10	777242-2
32	5	10	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	10	777152-4TT	777152-9TT	777152-6TT			
32	3	10	777232-4TT	777232-6TT	777232-9TT			
32	4	10	777242-4TT	777242-9TT	777242-6TT			
32	5	10	777252-4TT	777252-9TT	777252-6TT			

TURBO
TWIS
click

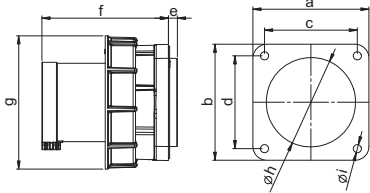


777152-6TT



Flanged plugs

„Power Twist“ Flanged plug straight

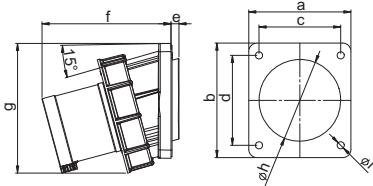


	63 Amp			125 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
Flange						
a x b	100	100	100	120	120	120
Fixing center						
c x d	80	80	80	100	100	100
e	8	8	8	13	13	13
f	109	109	109	118	118	118
g	115	115	115	131	131	131
h	77	77	77	95	95	95
i	7	7	7	7	7	7
Kind of connection:	Contact frame with screws					
Wire flexible [mm ²]	6-16			16-50		
solid [mm ²]	6-25			16-70		
Contact screws [Ncm]	200 Ncm			450 Ncm		
Weight [g]	479	531	581	786	896	1003

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 7)
- for waterproof cover and cable-glands see accessories page 42

IP66/67 watertight
IP44 on request

„Power Twist“ Flanged plug sloping

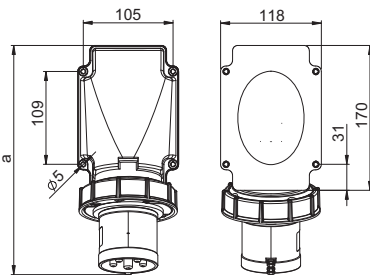


	63 Amp			125 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	100	100	100	120	120	120
b	112	112	112	130	130	130
c	80	80	80	100	100	100
d	88	88	88	108	108	108
e	8	8	8	8	8	8
f	127	127	127	139	139	139
g	127	127	127	145	145	145
h	80	80	80	80	80	80
i	7	7	7	7	7	7
Kind of connection:	Contact frame with screws					
Wire flexible [mm ²]	6-16			16-50		
solid [mm ²]	6-25			16-70		
Contact screws [Ncm]	200 Ncm			450 Ncm		
Weight [g]	515	566	617	833	942	1050

- contact frame with screws
- housing material: PA6
- contacts: nickel-plated contacts, with pilot contact (see page 7)
- for waterproof cover and cable-glands see accessories page 42

IP66/67 watertight

„Power Twist“ Flanged plug



	63 Amp		
	3	4	5
Poles	3	4	5
a	271	271	271
b	124	124	124
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	670	722	772

- contact frame with screws
- housing material: PC/ABS
- contacts: nickel-plated contacts, with pilot contact (see page 7)
- for waterproof cover and cable-glands see accessories page 42
- rear entry
- incl. flange gasket

IP66/67 watertight

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.
with flange 100 x 100								
63	3	2	633-4	633-6	633-9	633-7	633-10	633-2
63	4	2	634-4	634-9	634-6	634-7	634-10	634-2
63	5	2	635-4	635-9	635-6	635-7	635-10	635-2
with flange 120 x 120								
125	3	2	643-4	643-6	643-9	643-7	643-10	643-2
125	4	2	644-4	644-9	644-6	644-7	644-10	644-2
125	5	2	645-4	645-9	645-6	645-7	645-10	645-2



635-6

with flange 100 x 112								
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
with flange 120 x 130								
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



735-6

63	3	2	777332-4	777332-6	777332-9	777332-7	777332-10	777332-2
63	4	2	777342-4	777342-9	777342-6	777342-7	777342-10	777342-2
63	5	2	777352-4	777352-9	777352-6	777352-7	777352-10	777352-2

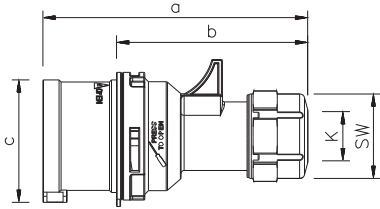


777352-6



Phase inverters

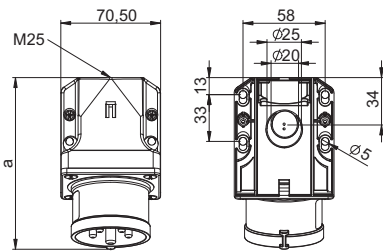
„Twist“ Phase inverter



	16 Amp		32 Amp	
	4	5	4	5
Poles	4	5	4	5
a	124	131	146	152
b	88	95	100	106
c	53	61	63	70
K_cable Ø [mm]	6-15	8-16	10-20	12-22
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110 Ncm	
SW	38	42	50	50
Weight [g]	127	150	200	230

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

IP44 splashproof
IP67 watertight



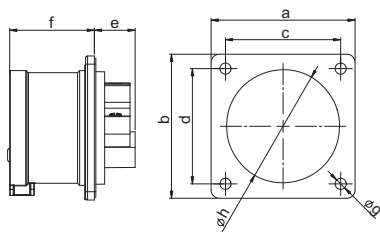
Phase inverter - Wall mounted plug

	16 Amp		32 Amp	
	5	5	5	5
Poles	5	5	5	5
a	122	132	132	132
b	79	85	85	85
M	25	25	25	25
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	238	319	319	319

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

IP44 splashproof

b=height
angle=15°

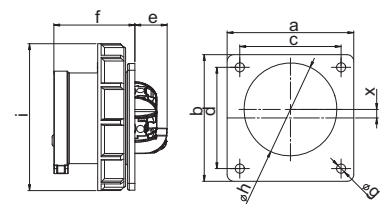


Phase inverter - Flanged plug straight

	16 Amp		32 Amp	
	5	5	5	5
Poles	5	5	5	5
Flange				
a x b	70	70	70	70
Fixing center				
c x d	56	56	56	56
e	20	21	21	21
f	42	51	51	51
g	5,5	5,5	5,5	5,5
h	55	55	55	55
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	112	160	160	160

- 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

	16 Amp		32 Amp	
	5	5	5	5
Poles	5	5	5	5
Flange				
a x b	75	75	75	75
Fixing center				
c x d	60	60	60	60
e	13	14	14	14
f	48	58	58	58
g	5,5	5,5	5,5	5,5
h	55	55	55	55
h	87	100	100	100
x	5,05	0	0	0
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	145	209	209	209

- 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 3p and 16A 5p the plug is placed off centered for keeping the standards

IP67 watertight

230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h
--	--

Amp.	Poles	pack. unit	Cat.No.	Cat.No.	protection degree
16	4	10	7014-9	7014-6	IP44
16	4	10	70142-9	70142-6	IP67
16	5	10		7015-6	IP44
16	5	10		70152-6	IP67
32	4	10	7024-9	7024-6	IP44
32	4	10	70242-9	70242-6	IP67
32	5	10		7025-6	IP44
32	5	10		70252-6	IP67



7015-6

16	5	10		7715-6	IP44	
16	5	10		7715-6d	IP44	with cap
32	5	10		7725-6	IP44	
32	5	10		7725-6d	IP44	with cap



7715-6

with flange 70 x 70					
16	5	10		8615-6	IP44
32	5	10		8625-6	IP44



8615-6

with flange 75 x 75					
16	5	10		86152-6	IP67
32	5	10		86252-6	IP67

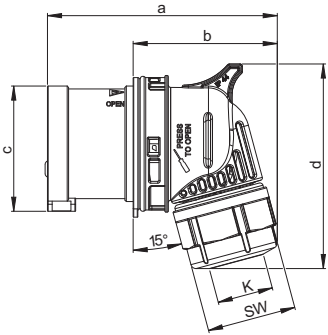


86152-6

new!



Phase inverters

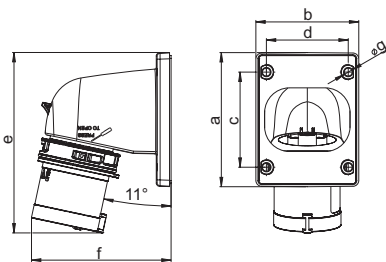


„Twist“ Phase inverter - Angled plug

	16 Amp		32 Amp	
Poles	4	5	5	5
a	98	108	135	135
b	62	71	90	90
c	53	61	70	70
d	87	99	114	114
e [°]	15	20	25	25
K_cable Ø [mm]	6-15	8-16	12-22	12-22
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
Contact screws [Ncm]	100 Ncm		110Ncm	
SW	38	42	50	50
Weight [g]	130	160	245	245

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

IP44 splashproof
IP67 watertight



„Twist“ Phase inverter - Flanged plug angled

	16 Amp		32 Amp	
Poles	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
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	143	187	220	244

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

IP44 splashproof
IP67 watertight

230V~
50/60Hz
3p=6h
4p+5p=9h

400V~
50/60Hz
3p=9h
4p+5p=6h

Amp.	Poles	pack. unit	Cat.No.	Cat.No.	protection degree
16	4	10	7414-9	7414-6	IP44
16	4	10	74142-9	74142-6	IP67
16	5	10		7415-6	IP44
16	5	10		74152-6	IP67
32	5	10		7425-6	IP44
32	5	10		74252-6	IP67

16	4	10	77814-9	77814-6	IP44
16	4	10	778142-9	778142-6	IP67
16	5	10		77815-6	IP44
16	5	10		778152-6	IP67
32	4	10	77824-9	77824-6	IP44
32	4	10	778242-9	778242-6	IP67
32	5	10		77825-6	IP44
32	5	10		778252-6	IP67



7414-6



74142-6

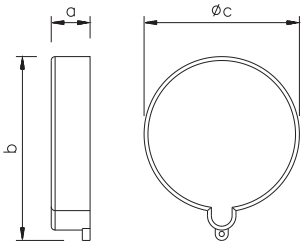


77814-6



Accessories

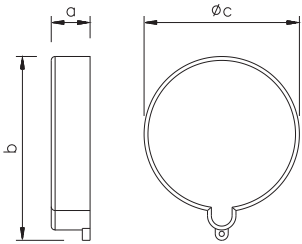
Cap 16 and 32A



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

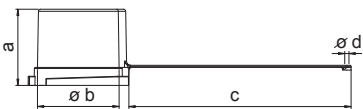
Cap 63 and 125A



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

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: Polypropylen

IP67 watertight

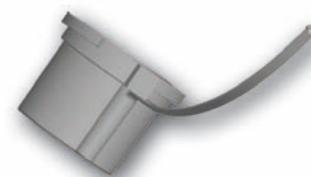
Amp.	Poles	pack. unit	Cat.No.
16	3		ts613g
16	4		ts614g
16	5		ts615g
32	3	}	ts623g
32	4		ts625g
32	5		ts625g



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		



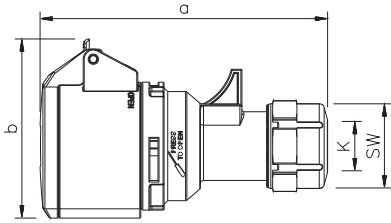
Accessories

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

IP68	M32x1,5	screw fitting - black	(cable diameter 18-25mm)	23321515200
IP68	M40x1,5	screw fitting - black	(cable diameter 22-32mm)	23401518260
IP68	M50x1,5	screw fitting - black	(cable diameter 32-38mm)	23501518310
IP68	M63x1,5	screw fitting - black	(cable diameter 34-44mm)	23631518350
Lock nut	M40x1,5	Nickel-coated brass		264015009
Lock nut	M50x1,5	Nickel-coated brass		265015009

Connectors

„Twist“ Connector

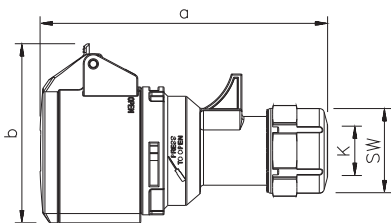


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	129	135	142	159	159	165
b	76	80	89	92	92	98
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	38	38	42	50	50	50
Weight [g]	137	161	183	225	244	278

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

IP44 splashproof

„Turbo Twist“ Connector

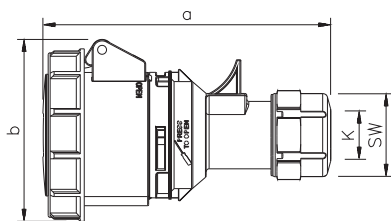


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	129	135	142	159	159	165
b	76	80	89	92	92	98
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
SW	38	38	42	50	50	50
Weight [g]	142	168	195	232	251	285

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

IP44 splashproof

„Twist“ Connector

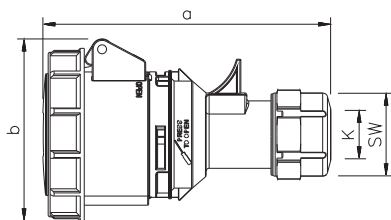


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	133	139	145	162	162	168
b	78	84	92	96	96	102
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
Contact screws [Ncm]	100 Ncm			110 Ncm		
SW	38	38	42	50	50	50
Weight [g]	156	185	215	266	285	323

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

IP67 watertight

„Turbo Twist“ Connector

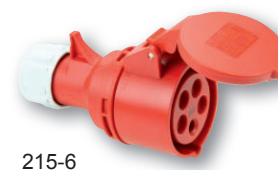


	16 Amp			32 Amp		
	3	4	5	3	4	5
Poles	3	4	5	3	4	5
a	133	139	145	162	162	168
b	78	84	92	96	96	102
K_cable Ø [mm]	6-15	6-15	8-16	10-20	10-20	12-22
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
SW	38	38	42	50	50	50
Weight [g]	161	192	227	273	292	330

- 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~	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.
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			

TURBO
TWIST
click



213-6TT

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



2152-6

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			

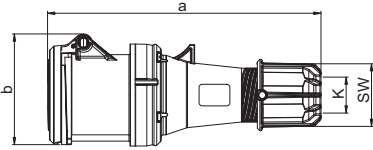
TURBO
TWIST
click



2132-6TT

Connectors

„Power Twist“ Connector

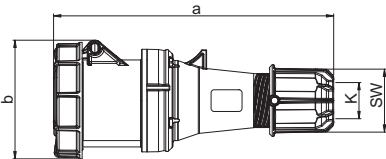


	63 Amp		
Poles	3	4	5
a	269	269	269
b	107	107	107
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	626	677	727

- 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 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 23361-6 (see page 8)

IP44 splashproof

„Power Twist“ Connector

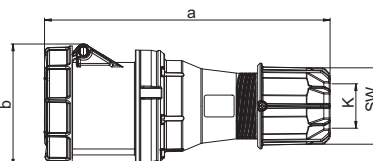


	63A		
Pole	3	4	5
a	269	269	269
b	114	114	114
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	6-16		
Contact screws [Ncm]	200 Ncm		
SW	61	61	61
Weight [g]	669	720	770

- 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 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 2336-6 (see page 8)

IP66/67 watertight

„Power Twist“ Connector



	125A		
Pole	3	4	5
a	287	287	287
b	124	124	124
K_cable Ø [mm]	14,5-36	14,5-36	14,5-36
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	16-50		
Contact screws [Ncm]	450 Ncm		
SW	81	81	81
Weight [g]	1054	1158	1250

- 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 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 2436-6 (see page 8)

IP66/67 watertight

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





CEE WALL AND FLANGED SOCKETS
16A - 125A

CEE wall and flanged sockets

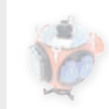
Wall sockets Page **50**



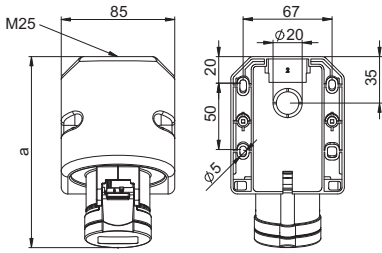
Flanged sockets straight Page **62**



Flanged sockets sloping Page **70**



Wall sockets



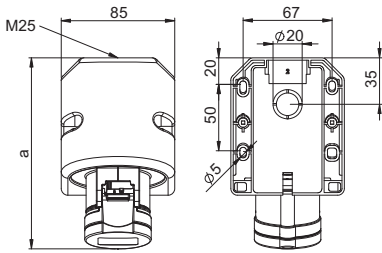
b=height
angle=15°

Wall socket

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	142	145	144	155	155	157
b	98	98	104	107	107	110
M	25	25	25	25	25	25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	228	248	258	279	295	324

- 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

IP44 splashproof



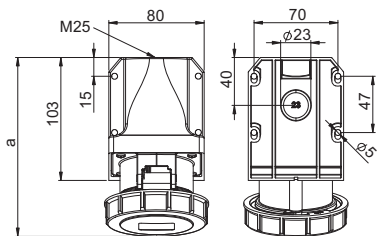
b=height
angle=15°

„Turbo Twist“ Wall socket

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	142	145	144	155	155	157
b	98	98	104	107	107	110
M	25	25	25	25	25	25
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	227	252	257	267	273	307

- 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

IP44 splashproof



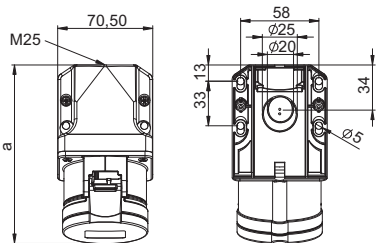
b=height
angle=15°

Wall socket

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
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	231	252	276	316	320	356

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

IP67 watertight



b=height
angle=15°

Wall socket

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	132	133	133	145	145	145
b	95	97	100	104	104	106
M	25	25	25	25	25	25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	205	213	238	258	273	319

- 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

IP44 splashproof

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



113-6



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



113-6TT



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



1152-6



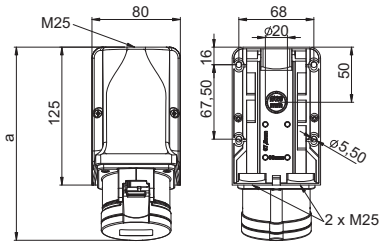
16	3	10	113-4k	113-6k	113-9k	113-7k	113-10k	113-2k
16	4	10	114-4k	114-9k	114-6k	114-7k	114-10k	114-2k
16	5	10	115-4k	115-9k	115-6k	115-7k	115-10k	115-2k
32	3	10	123-4k	123-6k	123-9k	123-7k	123-10k	123-2k
32	4	10	124-4k	124-9k	124-6k	124-7k	124-10k	124-2k
32	5	10	125-4k	125-9k	125-6k	125-7k	125-10k	125-2k



115-6k



Wall sockets



b=height
angle=15°

Wall socket

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	174	176	176	187	187	188
b	128	130	133	137	137	140
M	3x25	3x25	3x25	3x25	3x25	3x25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	336	343	364	380	397	436

- with screw terminals
- 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

IP44 splashproof

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.
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

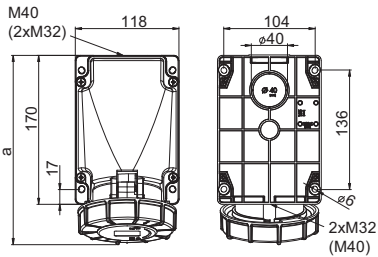


913-6



Wall sockets

„Power Twist“ Wall socket



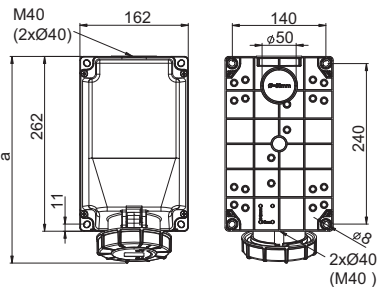
b=height
angle=15°

	63 Amp		
Poles	3	4	5
a	213	213	213
b	173	173	173
Kind of connection: Contact frame with screws			
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	811	858	914

- 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 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 1336-6 (see page 8)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. blank cable gland
- cable-glands see accessories page 43

IP66/67 watertight
IP44 on request

„Power Twist“ Wall socket



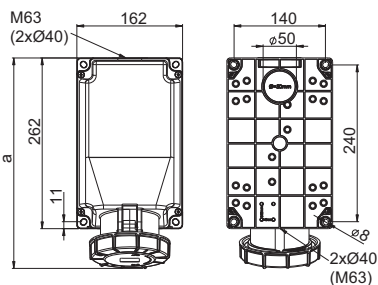
b=height
angle=15°

	63 Amp		
Poles	3	4	5
a	306	306	306
b	195	195	195
Kind of connection: Contact frame with screws			
Wire flexible [mm ²]	6-16		
solid [mm ²]	6-25		
Contact screws [Ncm]	200 Ncm		
Weight [g]	1354	1403	1459

- 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. 13575-6 (see page 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 13576-6 (see page 8)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. blank cable gland
- cable-glands see accessories page 43

IP66/67 watertight
IP44 on request

„Power Twist“ Wall socket



b=height
angle=15°

	125 Amp		
Poles	3	4	5
a	322	322	322
b	205	205	205
Kind of connection: Contact frame with screws			
Wire flexible [mm ²]	16-50		
solid [mm ²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	1850	1900	1950

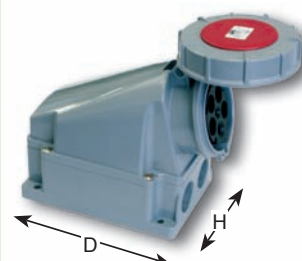
- contact frame with screws
- housing material: PC/ABS
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 1455-6 (see page 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 1456-6 (see page 8)
- top, bottom or rear entry
- housing can be rotated by 180°
- incl. blank cable gland
- cable-glands see accessories page 43

IP66/67 watertight

Advantages:

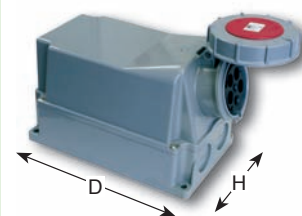
Housing can be rotated by 180° - the position of the cable entry can be chosen!

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.	
Basic unit HxWxD = 170x118x173; 1xM40; 2xM32			see accessories page 42						
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	



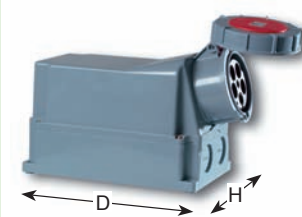
135-6

Basic unit HxWxD = 262x162x195; 1xM40; 2xØ40			see accessories page 42						
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			see accessories page 42						
125	3	1	143-4	143-6	143-9	143-7	143-10	143-2	
Basic unit HxWxD = 262x162x205; 1xM63; 2xØ40			see accessories page 42						
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



Wall sockets - COMBO

Wall socket - COMBO

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	139
M	3x25	3x25	3x25	3x25	3x25	3x25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Weight [g]	380	387	408	424	441	480

- with screw terminals
- wall socket with integrated socket (DIN 49440) national
- connecting terminals up to 10 mm²
- **ready wired**
- for Combo-wall socket 32A the socket (DIN 49440) 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

IP44 splashproof

Wall socket - COMBO

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	139
M	3x25	3x25	3x25	3x25	3x25	3x25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Contact screws SSD [Ncm]	80 Ncm					
Weight [g]	370	377	398	414	431	470

- with screw terminals
- wall socket with integrated socket (DIN 49440) national
- connecting terminals up to 10 mm²
- **unwired**
- for Combo-wall socket 32A the socket (DIN 49440) is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9215-6vv
- top, 2x bottom or rear entry

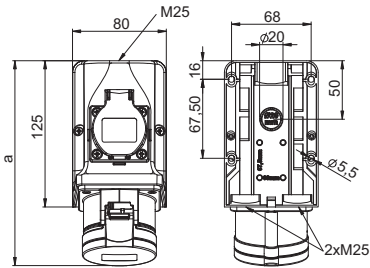
IP44 splashproof

Wall socket - COMBO

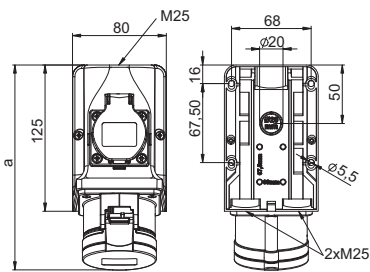
Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	139
M	3x25	3x25	3x25	3x25	3x25	3x25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Weight [g]	380	387	408	424	441	480

- with screw terminals
- wall socket with integrated socket (DIN 49440) Belgian/French standards
- connecting terminals up to 10 mm²
- **ready wired**
- for Combo-wall socket 32A the socket (DIN 49440) is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 9215-6fv
- top, 2x bottom or rear entry

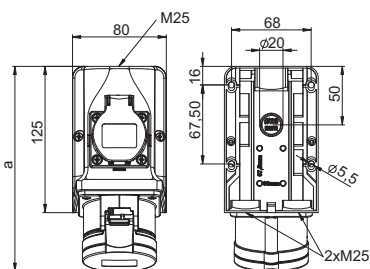
IP44 splashproof



b=height
angle=15°



b=height
angle=15°

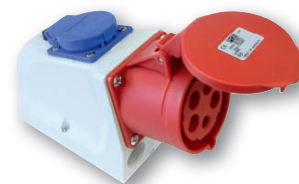


b=height
angle=15°

230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h
Cat.No.	Cat.No.

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

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



9215-6



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

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



9215-6w

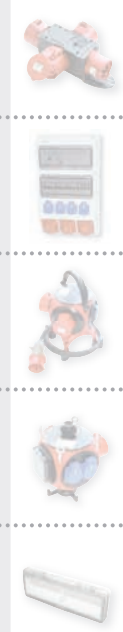


16	3	5
16	4	5
16	5	5
32	3	5
32	4	5
32	5	5

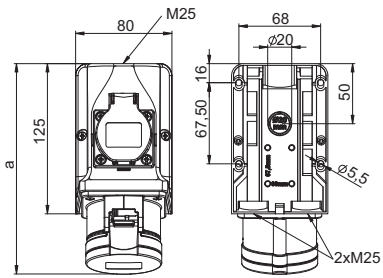
9213-6f 9214-9f	9214-6f 9215-6f
9223-6f 9224-9f	9224-6f 9225-6f



9215-6f



Wall sockets - COMBO



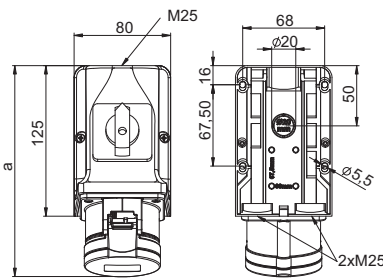
b=height
angle=15°

Wall socket - COMBO

Poles	16 Amp			32 Amp		
	3	4	5	3	4	5
a	175	176	176	188	188	188
b	127	130	133	136	136	139
M	3x25	3x25	3x25	3x25	3x25	3x25
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws CEE [Ncm]	100 Ncm			110 Ncm		
Screw terminals [Ncm]	120 Ncm					
Contact screws SSD [Ncm]	80 Ncm					
Weight [g]	370	377	398	414	431	470

- with screw terminals
- wall socket with integrated socket (DIN 49440) Belgian/French standards
- connecting terminals up to 10 mm²
- **unwired**
- for Combo-wall socket 32A the socket (DIN 49440) is protected by fuse (10A slow)
- housing material: PA6
- contacts: brass
- to order nickel-plated contacts please add a "v" e.g. 9215-6fvw
- top, 2x bottom or rear entry

IP44 splashproof



b=height
angle=15°

Wall socket with switch

Poles	16 Amp	32 Amp
	5	5
a	176	188
b	133	139
M	3x25	3x25
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	2,5-6
solid [mm ²]	1-4	2,5-10
Weight [g]	448	543

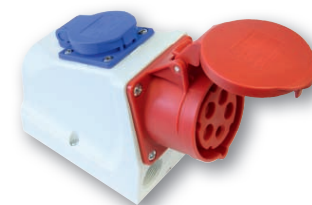
- with screw terminals
- wall socket with integrated **ON/OFF switch AC22A, 4kA acc. to EN 60947-3**
- connecting terminals up to 10 mm²
- **prewired**
- housing material: PA6
- contacts: brass
- to order nickel-plated contacts please add a "v" e.g. 75915-6v
- top, 2x bottom or rear entry

IP44 splashproof

230V~ 50/60Hz 3p=6h 4p+5p=9h	400V~ 50/60Hz 3p=9h 4p+5p=6h
Cat.No.	Cat.No.

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

Cat.No.	Cat.No.
9213-6fw	9214-6fw
9214-9fw	9215-6fw
9223-6fw	9224-6fw
9224-9fw	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
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

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

IP44 splashproof
IP67 on request

Wall socket - COMBO-POL with flanged socket sloping

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

- CEE 16A 3p to 32A 5p with 1 socket (DIN 49440) 16A 250V
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- at 32A: socket (DIN 49440) protected with 10A fuse
- 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
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	675	695	705	755	780	805

- CEE 16A 3p to 32A 5p with 2 sockets (DIN 49440) 16A 250V
- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- at 32A: socket (DIN 49440) protected with 10A fuse
- 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
- at switch-off position: lockable with padlock (40 mm)
- ON / OFF switch AC 22A, 10kA acc. to EN 60947-3
- switch all outlets

Amp.	Poles	pack. unit	Cat.No.	Switch	Socket outlet	Cat.No.	Switch	Socket outlet
16	3	1	96061350	0-1	0			
16	4	1	96061450	0-1	0			
16	5	1	96061550	0-1	0			
32	3	1	96062350	0-1	0			
32	4	1	96062450	0-1	0			
32	5	1	96062550	0-1	0			
with rotary lever								
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

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



96062551

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

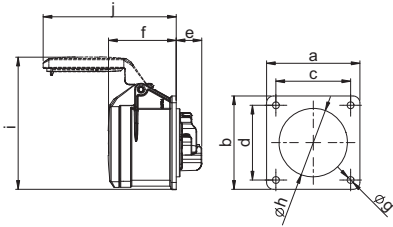


96061552

More cat.no. available on request!

Flanged sockets straight

Flanged socket straight

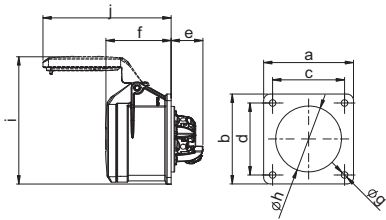


• STANDARD •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	21	21	21	23	23	23
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	101	104	107	112	112	117
j	94	101	107	122	122	127
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	117	124	141	161	177	217

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

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

„Turbo Twist“ Flanged socket straight

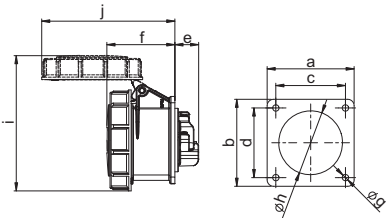


• STANDARD TURBO TWIST •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	27	27	27	27	27	27
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	101	104	107	112	112	117
j	94	101	107	122	122	127
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	116	131	138	156	173	200

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

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

Flanged socket straight

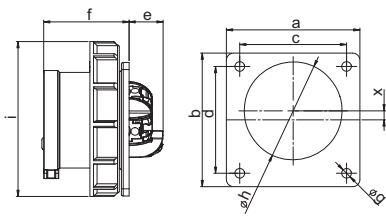


• STANDARD •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	21	21	21	23	23	23
f	56	57	59	69	69	71
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	102	108	117	122	122	130
j	101	109	115	130	130	136
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	134	147	166	197	215	250

- 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

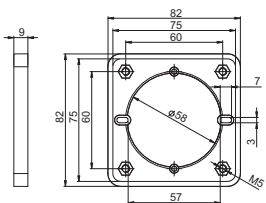


• STANDARD TURBO TWIST •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	75	75	75	75	75	75
Fixing center c x d	60	60	60	60	60	60
e	27	27	27	27	27	27
f	56	57	59	69	69	71
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	102	108	117	122	122	130
j	101	109	115	130	130	136
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	133	152	163	188	204	233

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

IP67 watertight

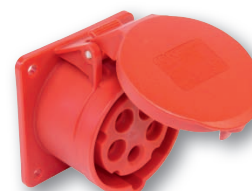
Cable conduit installation



	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~	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.
with flange 75 x 75								
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

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.
with flange 75 x 75								
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 TWIST
click



313-6TTf7

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.
with flange 75 x 75								
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

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.
with flange 75 x 75								
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 TWIST
click



3132-6TT

Conduit mounting box

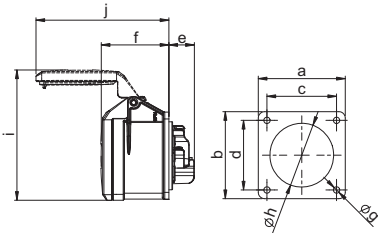


CEE socket outlet (z.B.: 315-6f7)

Intermediate flange (810-00)

Flanged sockets straight

Flanged socket straight

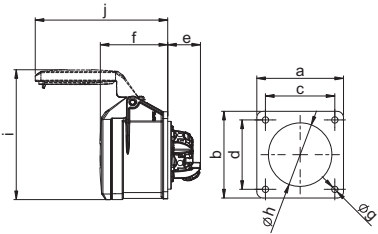


• SPECIAL VERSION •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	21	21	21	23	23	23
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	99	101	105	112	112	117
j	94	101	107	122	122	127
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	113	120	137	164	181	213

- 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

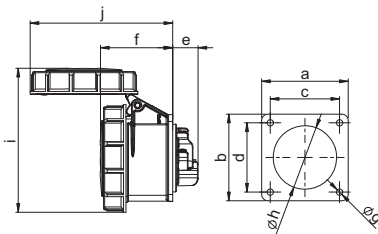


• SPECIAL VERSION TURBO TWIST •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
Flange a x b	70	70	70	70	70	70
Fixing center c x d	56	56	56	56	56	56
e	27	27	27	27	27	27
f	55	55	55	67	67	67
g	5,5	5,5	5,5	5,5	5,5	5,5
h	43	45	55	55	55	58
i	99	101	105	112	112	117
j	94	101	107	122	122	127
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	112	127	136	152	169	196

- 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



• SPECIAL VERSION •			
	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	100	117	130
j	101	115	136
Kind of connection:	Screw terminal		
Wire flexible [mm ²]	1-2,5		2,5-6
solid [mm ²]	1-4		2,5-10
Contact screws [Ncm]	100 Ncm		110 Ncm
Weight [g]	115	179	247

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 3152-6f70v

IP67 watertight

Amp.	Poles	pack. unit	110V~	230V~	400V~	500V~	>50-500V~	>50-500V~
			50/60Hz 4h	50/60Hz 3p=6h 4p+5p=9h	50/60Hz 3p=9h 4p+5p=6h	50/60Hz 7h	100-300Hz 10h	301-500Hz 2h
			Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.	Cat.No.
with flange 70 x 70								
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

with flange 70 x 70								
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			

**TURBO
TWIST** *click*



315-6TT

with flange 70 x 70								
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



Flanged sockets straight

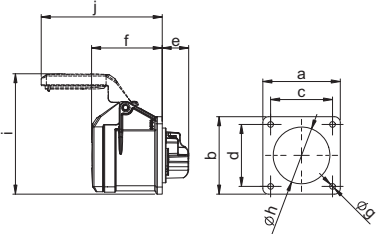
Flanged socket straight

• SPECIAL VERSION •

	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	97	45	94	99
j	94	100	94	101
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5			
solid [mm ²]	1-4			
Contact screws [Ncm]	100 Ncm			
Weight [g]	109	124	105	116

- 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



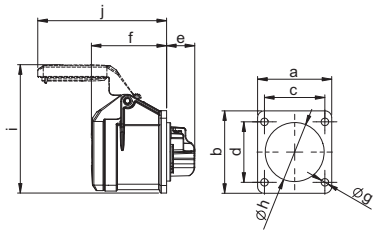
Flanged socket straight

• SPECIAL VERSION •

	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	94	92
j	94	94
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	
solid [mm ²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	103	98

- 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



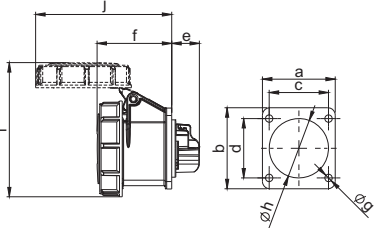
Flanged socket straight

• SPECIAL VERSION •

	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
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5			
solid [mm ²]	1-4			
Contact screws [Ncm]	100 Ncm			
Weight [g]	111	107	105	103

- with screw terminals
- housing material: PA6
- contacts: brass
- to order nickel-plated contacts please add a "v" e.g. 3132-6f70v

IP67 watertight



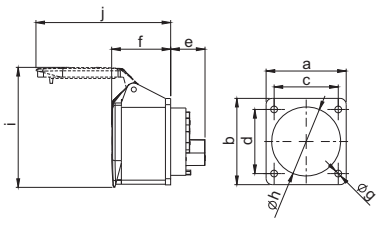
Flanged socket straight

• SPECIAL VERSION •

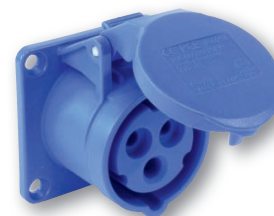
	16 Amp	
	5	65
Poles	5	65
a	65	70
b	70	52
c	52	52
d	52	52
e	28	28
f	48	48
g	5,5	5,5
h	56	56
i	98	98
j	110	110
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	
solid [mm ²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	148	

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

IP44 splashproof



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.
with flange 65 x 65								
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
with flange 60 x 60								
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

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



313-6f9

with flange 65 x 65								
16	3	10	3132-4f0	3132-6f0	3132-9f0	3132-7f0	3132-10f0	3132-2f0
with flange 60 x 60								
16	3	10	3132-4f6	3132-6f6	3132-9f6	3132-7f6	3132-10f6	3132-2f6
with flange 54 x 60								
16	3	10	3132-4f9	3132-6f9	3132-9f9	3132-7f9	3132-10f9	3132-2f9
with flange 55 x 55								
16	3	10	3132-4f5	3132-6f5	3132-9f5	3132-7f5	3132-10f5	3132-2f5



3132-6f9

Use: especially qualified for the assembly on cable reels								
with flange 65 x 70								
16	5	10	315-4fa	315-9fa	315-6fa	315-7fa	315-10fa	315-2fa



315-6fa



Flanged sockets straight

„Power Twist“ Flanged socket straight

	• STANDARD •			• SPECIAL •		
	63 Amp			63 Amp		
Poles	3	4	5	3	4	5
a	100	100	100	100	100	100
b	100	100	100	107	107	107
c	80	80	80	77	77	77
d	80	80	80	85	85	85
e	50	50	50	50	50	50
f	80	80	80	80	80	80
g	114	114	114	114	114	114
h	85	85	85	85	85	85
i	7	7	7	7	7	7
j	147	147	147	147	147	147
k	146	146	146	146	146	146
Kind of connection:	Contact frame with screws					
Wire flexible [mm ²]	6-16			6-25		
solid [mm ²]	6-25			200 Ncm		
Contact screws [Ncm]	200 Ncm					
Weight [g]	490	522	668	496	528	674

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 3335-6 (see page 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 3336-6 (see page 8)

IP66/67 wasserdicht
IP44 on request

„Power Twist“ Flanged socket straight

	• STANDARD •		
	125 Amp		
Poles	3	4	5
Flange a x b	120	120	120
Fixing center c x d	100	100	100
e	48	48	48
f	101	101	101
g	126	126	126
h	90	90	90
i	8	8	8
j	159	159	159
k	179	179	179
Kind of connection:	Contact frame with screws		
Wire flexible [mm ²]	16-50		
solid [mm ²]	16-70		
Contact screws [Ncm]	450 Ncm		
Weight [g]	743	879	974

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 3455-6 (see page 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 3456-6 (see page 8)

IP66/67 wasserdicht

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.
with flange 100 x 100								
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
with flange 100 x 107								
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

with flange 120 x 120								
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



Flanged sockets sloping

Flanged socket sloping

• STANDARD •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	70	70	80	80	80	80
b	85	85	97	97	97	97
c	50	50	60	60	60	60
d	65	65	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	93	96	105	105	105	110
k	97	104	111	119	119	125
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	112	117	144	198	222	250

- 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

• STANDARD TURBO TWIST •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	70	70	80	80	80	80
b	85	85	97	97	97	97
c	50	50	60	60	60	60
d	65	65	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	93	96	105	105	105	110
k	97	104	111	119	119	125
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	111	116	138	186	210	233

- 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

• STANDARD •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	70	70	80	80	80	80
b	85	85	97	97	97	97
c	50	50	60	60	60	60
d	65	65	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	97	104	114	120	120	127
k	102	111	119	127	127	133
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	124	141	168	224	248	278

- with screw terminals
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4152-6TTf78v

IP67 watertight

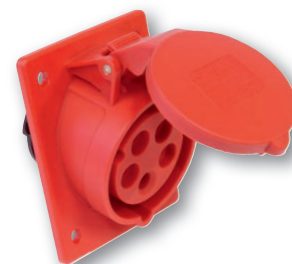
„Turbo Twist“ Flanged socket sloping

• STANDARD TURBO TWIST •						
	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	70	70	80	80	80	80
b	85	85	97	97	97	97
c	50	50	60	60	60	60
d	65	65	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	97	104	114	120	120	127
k	102	111	119	127	127	133
Kind of connection:	Screwless terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Weight [g]	123	140	162	212	236	261

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

IP67 watertight

Amp.	Poles	pack. unit	110V~	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.
with flange 70 x 85								
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
with flange 80 x 97								
16	5	10	415-4	415-9	415-6	415-7	415-10	415-2
32	3	10	423-4	423-6	423-9	423-7	423-10	423-2
32	4	10	424-4	424-9	424-6	424-7	424-10	424-2
32	5	10	425-4	425-9	425-6	425-7	425-10	425-2



415-6

with flange 70 x 85								
16	3	10	413-4TT	413-6TT	413-9TT			
16	4	10	414-4TT	414-9TT	414-6TT			
with flange 80 x 97								
16	5	10	415-4TT	415-9TT	415-6TT			
32	3	10	423-4TT	423-6TT	423-9TT			
32	4	10	424-4TT	424-9TT	424-6TT			
32	5	10	425-4TT	425-9TT	425-6TT			



415-6TT

with flange 70 x 85								
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
with flange 80 x 97								
16	5	10	4152-4f78	4152-9f78	4152-6f78	4152-7f78	4152-10f78	4152-2f78
32	3	10	4232-4f78	4232-6f78	4232-9f78	4232-7f78	4232-10f78	4232-2f78
32	4	10	4242-4f78	4242-9f78	4242-6f78	4242-7f78	4242-10f78	4242-2f78
32	5	10	4252-4f78	4252-9f78	4252-6f78	4252-7f78	4252-10f78	4252-2f78



4152-6f78

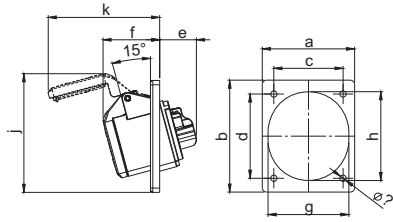
with flange 70 x 85								
16	3	10	4132-4TTf78	4132-6TTf78	4132-9TTf78			
16	4	10	4142-4TTf78	4142-9TTf78	4142-6TTf78			
with flange 80 x 97								
16	5	10	4152-4TTf78	4152-9TTf78	4152-6TTf78			
32	3	10	4232-4TTf78	4232-6TTf78	4232-9TTf78			
32	4	10	4242-4TTf78	4242-9TTf78	4242-6TTf78			
32	5	10	4252-4TTf78	4252-9TTf78	4252-6TTf78			



4152-6TTf78

Flanged sockets sloping

„Twist“ Flanged socket sloping



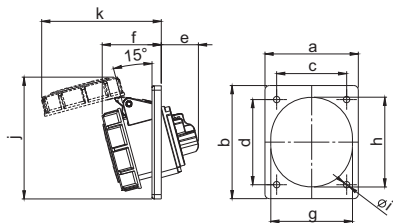
• SPECIAL VERSION TWIST •

	16 Amp	
Poles	3	4
a	80	80
b	97	97
c	60	60
d	73	73
e	32	33
f	50	50
g	70	70
h	77	77
i	5,5	5,5
j	103	106
k	97	104
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	
solid [mm ²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	116	136

- with screw terminals
- three-piece version
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 414-6f8v

IP44 splashproof

„Twist“ Flanged socket sloping



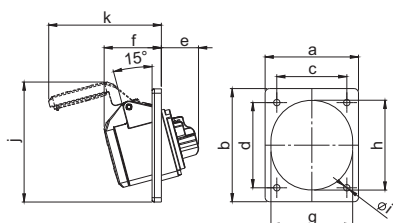
• SPECIAL VERSION TWIST •

	16 Amp	
Poles	3	4
a	80	80
b	97	97
c	60	60
d	73	73
e	32	33
f	51	53
g	70	70
h	77	77
i	5,5	5,5
j	105	108
k	103	111
Kind of connection:	Screwless terminal	
Wire flexible [mm ²]	1-2,5	
solid [mm ²]	1-4	
Weight [g]	157	174

- screwless connection technology
- three-piece version
- housing material: PA6
- contacts: brass
 - to order nickel-plated contacts please add a "v" e.g. 4142-6f8v

IP67 watertight

„Twist“ Flanged socket sloping



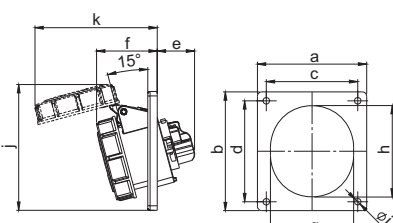
• SPECIAL VERSION TWIST •

	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
Kind of connection:	Screw terminal	
Wire flexible [mm ²]	1-2,5	
solid [mm ²]	1-4	
Contact screws [Ncm]	100 Ncm	
Weight [g]	121	141

- 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



• SPECIAL VERSION TWIST •

	16 Amp			32 Amp		
Poles	3	4	5	3	4	5
a	92	92	92	92	92	92
b	100	100	100	100	100	100
c	77	77	77	77	77	77
d	85	85	85	85	85	85
e	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
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid [mm ²]	1-4			2,5-10		
Contact screws [Ncm]	100 Ncm			110 Ncm		
Weight [g]	152	172	206	226	250	278

- 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~	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.
with flange 80 x 97								
16	3	10	413-4f8	413-6f8	413-9f8	413-7f8	413-10f8	413-2f8
16	4	10	414-4f8	414-9f8	414-6f8	414-7f8	414-10f8	414-2f8



413-6f8

with flange 80 x 97								
16	3	10	4132-4f8	4132-6f8	4132-9f8	4132-7f8	4132-10f8	4132-2f8
16	4	10	4142-4f8	4142-9f8	4142-6f8	4142-7f8	4142-10f8	4142-2f8



4132-6f8

with flange 92 x 100								
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



413-6f9

with flange 92 x 100								
16	3	10	4132-4	4132-6	4132-9	4132-7	4132-10	4132-2
16	4	10	4142-4	4142-9	4142-6	4142-7	4142-10	4142-2
16	5	10	4152-4	4152-9	4152-6	4152-7	4152-10	4152-2
32	3	10	4232-4	4232-6	4232-9	4232-7	4232-10	4232-2
32	4	10	4242-4	4242-9	4242-6	4242-7	4242-10	4242-2
32	5	10	4252-4	4252-9	4252-6	4252-7	4252-10	4252-2



4132-6



Flanged sockets sloping

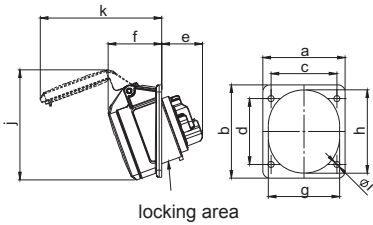
Flanged socket sloping

• SPECIAL VERSION •

	16 Amp		
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	93	96	101
k	97	104	111
Kind of connection:	Screw terminal		
Wire flexible [mm ²]	1-2,5		
solid [mm ²]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]	112	117	144

- 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



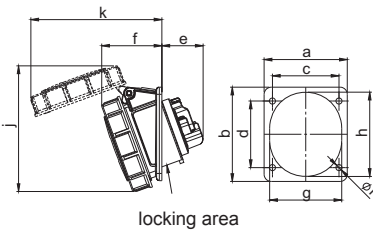
Flanged socket sloping

• SPECIAL VERSION •

	16 Amp		
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
Kind of connection:	Screw terminal		
Wire flexible [mm ²]	1-2,5		
solid [mm ²]	1-4		
Contact screws [Ncm]	100 Ncm		
Weight [g]	112	117	144

- 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



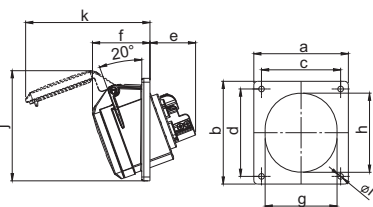
Flanged socket sloping

• SPECIAL VERSION •

	16 Amp		32 Amp	
Poles	5	3	4	5
a	92	92	92	92
b	100	100	100	100
c	77	77	77	77
d	85	85	85	85
e	41	45	45	45
f	50	56	56	59
g	70	77	77	77
h	77	88	88	88
i	5,5	5,5	5,5	5,5
j	107	108	108	112
k	111	121	121	124
Kind of connection:	Screw terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Contact screws [Ncm]	100 Ncm		110 Ncm	
Weight [g]	157	164	180	219

- 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



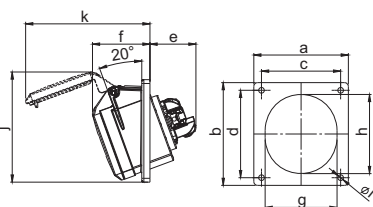
„Turbo Twist“ Flanged socket sloping

• SPECIAL VERSION TURBO TWIST •

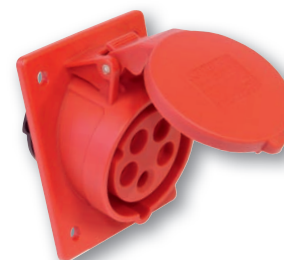
	16 Amp		32 Amp	
Poles	5	3	4	5
a	92	92	92	92
b	100	100	100	100
c	77	77	77	77
d	85	85	85	85
e	44	45	45	45
f	50	56	56	59
g	70	77	77	77
h	77	88	88	88
i	5,5	5,5	5,5	5,5
j	107	108	108	112
k	111	121	121	124
Kind of connection:	Screwless terminal			
Wire flexible [mm ²]	1-2,5		2,5-6	
solid [mm ²]	1-4		2,5-10	
Weight [g]	163	172	192	236

- 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~	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.
with flange 75 x 85								
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



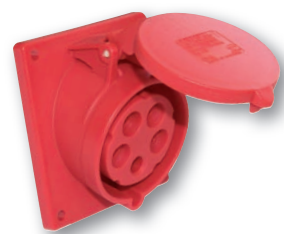
415-6f87

with flange 75 x 85								
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

with flange 92 x 100								
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

with flange 92 x 100					
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

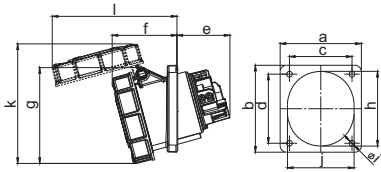


415-6TTf9



Flanged sockets sloping, surface outlet

„Power Twist“ Flanged socket sloping

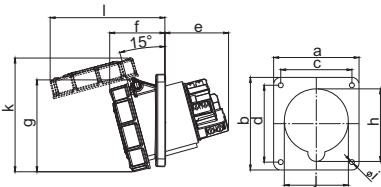


	•STANDARD•			• SPECIAL •		
	63 Amp			63 Amp		
Poles	3	4	5	3	4	5
a	100	100	100	106	106	106
b	107	107	107	110	110	112
c	77	77	77	90	90	80
d	85	85	85	90	90	88
e	64	64	64	64	64	64
f	80	80	80	80	80	80
g	119	119	119	119	119	119
h	92	92	92	92	92	92
i	7	7	7	7	7	7
j	82	82	82	82	82	82
k	148	148	148	148	148	148
l	154	154	154	154	154	154
Kind of connection:	Contact frame with screws					
Wire flexible [mm ²]	6-16					
solid [mm ²]	6-25					
Contact screws [Ncm]	200 Ncm					
Weight [g]	494	525	671	500	532	678

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 4355-6 (see page 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 4356-6 (see page 8)

IP66/67 watertight

„Power Twist“ Flanged socket sloping

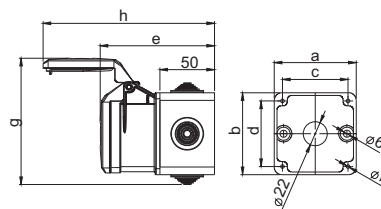


	• STANDARD •			• SPECIAL •		
	125 Amp			125 Amp		
Poles	3	4	5	3	4	5
a	120	120	120	114	114	114
b	130	130	130	114	114	114
c	100	100	100	90	90	90
d	108	108	108	90	90	90
e	92	92	92	92	92	92
f	77	77	77	77	77	77
g	130	130	130	130	130	130
h	102	102	102	102	102	102
i	7	7	7	7	7	7
j	90	90	90	90	90	90
k	160	160	160	160	160	160
l	162	162	162	162	162	162
Kind of connection:	Contact frame with screws					
Wire flexible [mm ²]	16-50					
solid [mm ²]	16-70					
Contact screws [Ncm]	450 Ncm					
Weight [g]	804	892	999	792	880	987

- contact frame with screws
- housing material: PA6
- contacts: brass with lamellar contact CuBe
 - to order with pilot contact please add a „5“ e.g. 4455-6 (see page 7)
 - to order with pilot contact system (PCS) please add a „6“ e.g. 4456-6 (see page 8)

IP66/67 watertight

Surface outlet

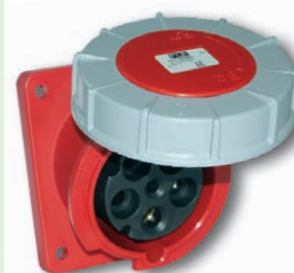


	16 Amp			32 Amp		
	Poles	3	4	5	3	4
Flange						
a x b	75	75	75	75	75	75
Fixing center						
c x d	60	60	60	60	60	60
e	105	105	105	115	115	115
f	3,3	3,3	3,3	3,3	3,3	3,3
g	110	113	116	118	118	122
h	144	152	157	172	172	77
Kind of connection:	Screw terminal					
Wire flexible [mm ²]	1-2,5			2,5-6		
solid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

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

IP44 splashproof

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.
with flange 100 x 112								
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
with flange 100 x 107								
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
with flange 106 x 110								
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

with flange 120 x 130								
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
with flange 114 x 114								
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

			complete surface outlet	surface outlet empty	
with flange 75 x 75					
16	3	10	80013-6		
16	4	10		80014-6	80000 without lead-through nipple
16	5	10		80015-6	
16	3	10	80213-6		
16	4	10		80214-6	80200 2 lead-through nipples
16	5	10		80215-6	
16	3	10	80413-6		
16	4	10		80414-6	80400 4 lead-through nipples
16	5	10		80415-6	



80415-6

32A and special clock positions - available on request!





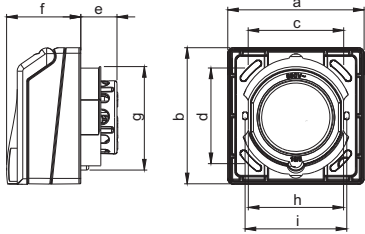
DESIGN-SOCKETS

Design-Sockets

Flanged socket	Page	80
Surface outlet	Page	80
Flush outlet	Page	80
Accessories	Page	82
Advantages	Page	83



Design Socket

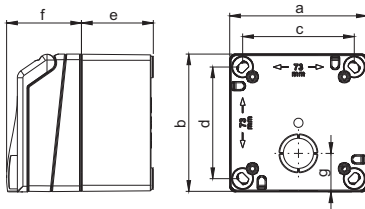


Flanged socket

	16 Amp		32 Amp		SSD
Poles	3	4	5	5	3
Flange					
a x b	90	90	90	90	90
Fixing center					
c x d	60	60	60	60	60
e	23	24	24	36	14
f	49	49	49	49	49
g	66	66	69	78	66
h	63	63	63	74	63
i	67	67	67	-	67
Kind of connection:	Screw terminal				
Wire flexible [mm ²]	1-2,5		2,5-6		
solid [mm ²]	1-4		2,5-10		
Contact screws [Ncm]	100 Ncm		110 Ncm		80 Ncm
Weight [g]	194	212	247	282	159

- with screw terminals
- 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

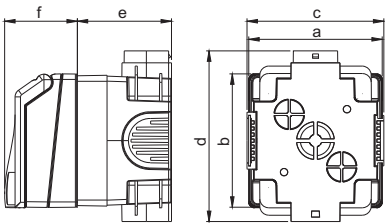


Surface outlet

	16 Amp		32 Amp		SSD
Poles	3	4	5	5	3
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	49	49	49	49	49
g	25	25	25	25	25
Kind of connection:	Screw terminal				
Wire flexible [mm ²]	1-2,5		2,5-6		
solid [mm ²]	1-4		2,5-10		
Contact screws [Ncm]	100 Ncm		110 Ncm		80 Ncm
Weight [g]	282	300	335	370	247

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- top entry with offset nipple, rear or bottom entry possible with cutout
- with inscription field

IP44 splashproof



Flush outlet

	16 Amp		32 Amp		SSD
Poles	3	4	5	5	3
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	49	49	49	49	49
Kind of connection:	Screw terminal				
Wire flexible [mm ²]	1-2,5		2,5-6		
solid [mm ²]	1-4		2,5-10		
Contact screws [Ncm]	100 Ncm		110 Ncm		80 Ncm
Weight [g]	282	300	335	370	247

- with screw terminals
- housing material: PC/ABS
- contacts: nickel-plated contacts
- top entry, rear or bottom entry possible with cutout
- in rows with both horizontal and vertical insertion
- with inscription field

IP44 splashproof

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

All Design Sockets are available in the following colours: white (standard), pearl white und light grey:

To order white, just choose the above mentioned numbers	e.g. 845-6v
To order pearl white add „w“	e.g. 845-6wv
To order light grey add „g“	e.g. 845-6gv



Safe against ball throwing

110V~
50/60Hz
4h

230V~
50/60Hz
3p=6h
4p+5p=9h

400V~
50/60Hz
3p=9h
4p+5p=6h

250V~
50/60Hz
Flange
50x50

Amp.
Poles
pack. unit

Cat.No. (CEE-socket) **Cat.No.** (CEE-socket) **Cat.No.** (CEE-socket)

Cat.No. (with socket (DIN 49940))

Amp.	Poles	pack. unit	110V~ Cat.No.	230V~ Cat.No.	400V~ Cat.No.
16	3	6	843-4v	843-6v	843-9v
16	4	6	844-4v	844-9v	844-6v
16	5	6	845-4v	845-9v	845-6v
32	5	6	855-4v	855-9v	855-6v



845-6v

Amp.	Poles	pack. unit	110V~ Cat.No.	230V~ Cat.No.	400V~ Cat.No.
16	3	6	863-4v	863-6v	863-9v
16	4	6	864-4v	864-9v	864-6v
16	5	6	865-4v	865-9v	865-6v
32	5	6	875-4v	875-9v	875-6v



865-6v

Amp.	Poles	pack. unit	110V~ Cat.No.	230V~ Cat.No.	400V~ Cat.No.
16	3	6	883-4v	883-6v	883-9v
16	4	6	884-4v	884-9v	884-6v
16	5	6	885-4v	885-9v	885-6v
32	5	6	895-4v	895-9v	895-6v



885-6v

Flanged socket 230V 2p+E
16 3 6

Surface outlet (AP) 230V 2p+E
16 3 6

Flush outlet (UP) 230V 2p+E
16 3 6

8430v*

8630v*

8830v*



8630-6v

* available also with Belg./French, Danish, British and Swiss socket

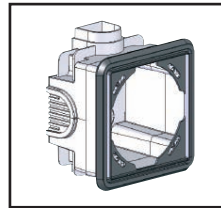


Design Socket Accessories

Cover frame 1-way with gasket

- Dimensions: 105 x 105

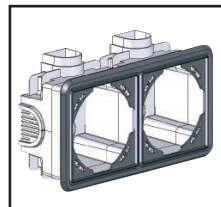
white	9021
pearl white	9021w
light grey	9021g
pack.unit: 25	



Cover frame 2-way with gasket

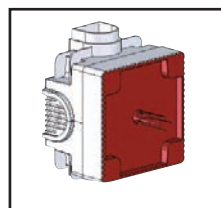
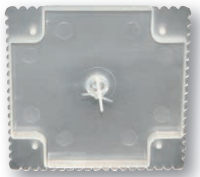
- Dimensions: 195 x 105

white	9022
pearl white	9022w
light grey	9022g
pack.unit: 25	



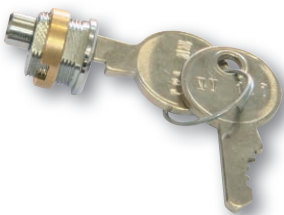
Plaster Cover

903
pack.unit: 25



Locking

simultaneous locking	901026
	901025
pack.unit: 1	



Cat.No.

Design Socket Advantages

Fast and easy installation of the lock by loose locking outbreak



Inscription field as standard incl. paper insert



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



Screw type terminal – for wiring through

- side cable entrance for double contacting
- wiring through

