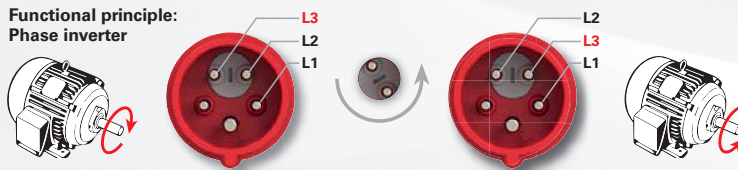
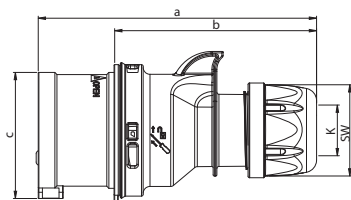


Functional principle:
Phase inverter



CEE Phase inverters



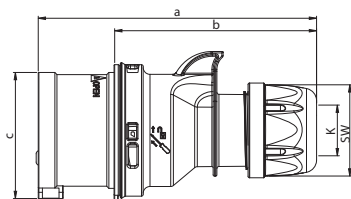
Phase inverter plug IP44/54

SHARK

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

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

IP44/54 splash- and dustproof



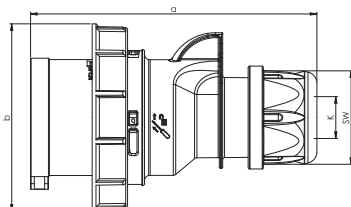
Phase inverter plug IP44/54

SHARK TT

Poles	16 Amp		32 Amp	
		5		5
a [mm]		134		155
b [mm]		98		109
c [mm]		61		70
K cable Ø [mm]		8-16		11,5-22
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100		110	
SW [mm]		42		50
Weight [g]		156		237

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

IP44/54 splash- and dustproof



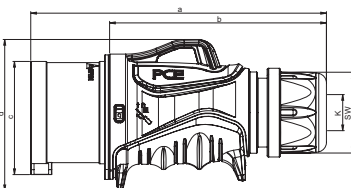
Phase inverter plug IP66/67

SHARK

Poles	16 Amp		32 Amp	
	4	5	4	5
a [mm]	128	134	150	155
b [mm]	79	87	93	100
K cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100		110	
SW [mm]	42	42	50	50
Weight [g]	153	183	245	280

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

IP66/67 watertight



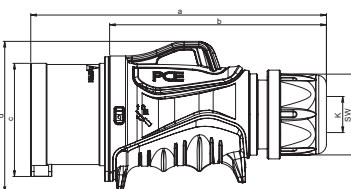
Phase inverter plug IP44/54

GRIP

Poles	16 Amp		32 Amp	
		5		5
a [mm]		157		182
b [mm]		117		134
c [mm]		61		70
d [mm]		79		93
K cable Ø [mm]		8-16		11,5-22
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100		110	
SW [mm]		42		50
Weight [g]		180		273

- with screw terminals
- housing material: 2-components (PA6 / TPE)
- contacts: nickel-plated contacts

IP44/54 splashproof



Phase inverter plug IP44/54

GRIP TT

Poles	16 Amp		32 Amp	
		5		5
a [mm]		157		182
b [mm]		117		134
c [mm]		61		70
d [mm]		79		93
K cable Ø [mm]		8-16		11,5-22
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100		110	
SW [mm]		42		50
Weight [g]		183		279

- L1, N, PE = screwless connection terminals
- L2, L3 = screw terminals
- housing material: 2-components (PA6 / TPE)
- contacts: nickel-plated contacts

IP44/54 splashproof

230V~

400V~

50/60Hz

50/60Hz

4p=9h

4p+5p=6h

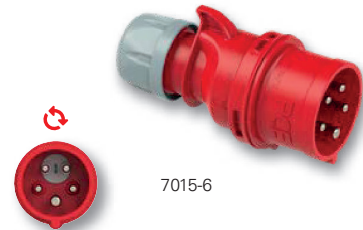
Cat.No.

Cat.No.

Amp.
Poles
pack.
unit

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

7014-9	7014-6 7015-6
7024-9	7024-6 7025-6



7015-6

16	5	10
32	5	10

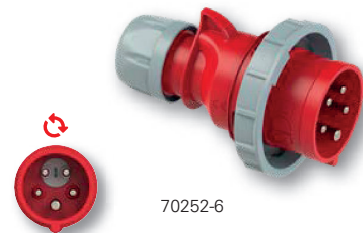
	7015-6TT
	7025-6TT



7015-6TT

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

70142-9	70142-6 70152-6
70242-9	70242-6 70252-6



70252-6

16	5	10
32	5	10

	70153-6
	70253-6



70253-6

16	5	10
32	5	10

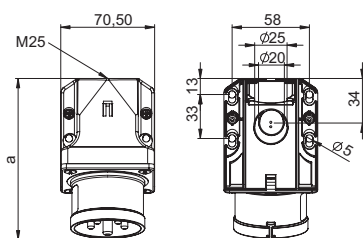
	70153-6TT
	70253-6TT



70153-6TT



CEE Phase inverters



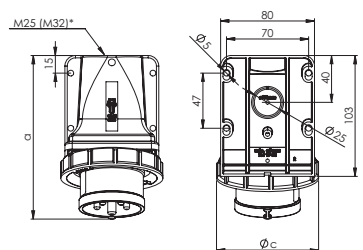
angle=15°

Phase inverter - Wall mounted plug IP44

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

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

IP44 splashproof



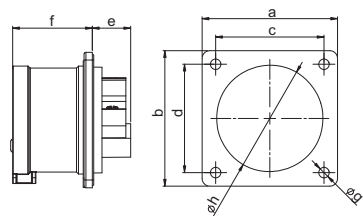
angle=15°

Phase inverter - Wall mounted plug IP67

	16 Amp		32 Amp	
Poles		5	4	5
a [mm]		140	153	152
Height [mm]		100	104	102
c [mm]		87	93	102
M* [mm]		25	25	25
Wire flexible class 5 or 6 [mm²]		1-2,5	2,5-6	
Contact screws [Ncm]		100	110	
Weight [g]		241	276	307

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

IP67 watertight

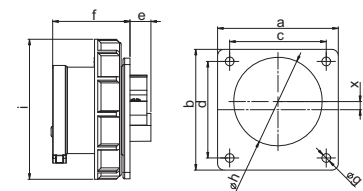


Phase inverter - Flanged plug straight IP44

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

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- According to EN 60309:
For correct use a locking device has to be provided (see page 10)

IP44 splashproof



Phase inverter - Flanged plug straight IP67

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

- with screw terminals
- housing material: PA6
- contacts: nickel-plated contacts
- According to EN 60309:
For correct use a locking device has to be provided (see page 10)
- for 16A 5p and 32 5p the plug is placed off centered for keeping the standards

IP67 watertight

230V~

400V~

50/60Hz

50/60Hz

4p=9h

4p+5p=6h

Cat.No.

Cat.No.

Amp.
Poles
pack.
unit

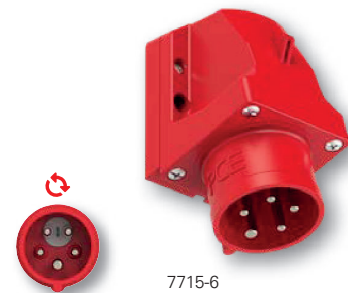
16	5	10
16	5	10
32	4	10
32	4	10
32	5	10
32	5	10

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

with cap

with cap

with cap



7715-6

16	5	5
32	4	5
32	5	5

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



77152-6k

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

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



8624-6

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

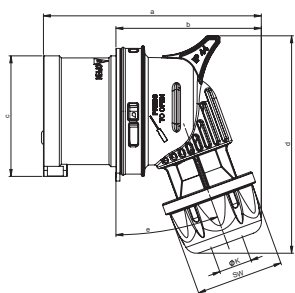
86242-9	86152-6
	86242-6
	86252-6



86152-6



CEE Phase inverters

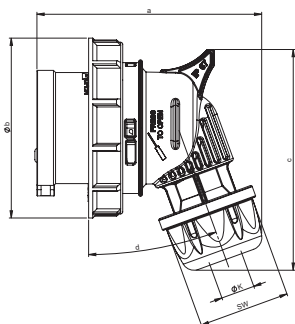


Phase inverter - Angled plug IP44 **TWIST**

Poles	16 Amp		32 Amp	
	4	5	4	5
a [mm]	98	107	125	137
b [mm]	62	71	80	92
c [mm]	53	61	63	70
d [mm]	91	102	110	121
e [°]	15	20	25	25
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100		110	
SW [mm]	38	42	50	50
Weight [g]	128	150	181	237

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

IP44 splashproof

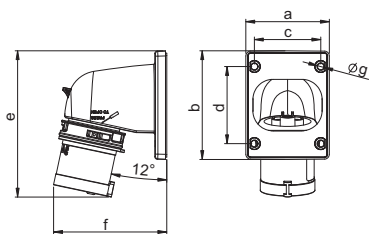


Phase inverter - Angled plug IP67 **TWIST**

Poles	16 Amp		32 Amp	
	4	5	4	5
a [mm]	100	109	126	136
b [mm]	79	87	93	100
c [mm]	94	107	110	118
d [°]	15	20	25	25
K_cable Ø [mm]	6-15	8-16	11,5-20	11,5-22
Wire flexible class 5 or 6 [mm²]	1-2,5		2,5-6	
Contact screws [Ncm]	100		110	
SW [mm]	38	42	50	50
Weight [g]	152	180	188	281

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

IP67 watertight

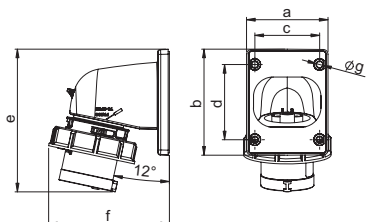


Phase inverter - Flanged plug angled IP44 **TWIST**

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

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

IP44 splashproof



Phase inverter - Flanged plug angled IP67 **TWIST**

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

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

IP67 watertight

230V~

400V~

50/60Hz

50/60Hz

4p=9h

4p+5p=6h

Cat.No.

Cat.No.

Amp.
Poles
pack.
unit

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

7414-9
7414-6
7415-6
7424-9
7424-6
7425-6



7414-6

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

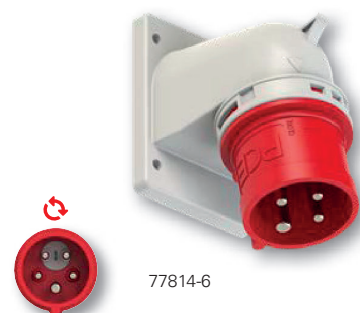
74142-9
74142-6
74152-6
74242-6
74252-6



74142-6

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

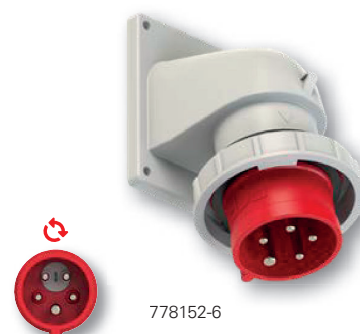
77814-9
77814-6
77815-6
77824-9
77824-6
77825-6



77814-6

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

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



778152-6

