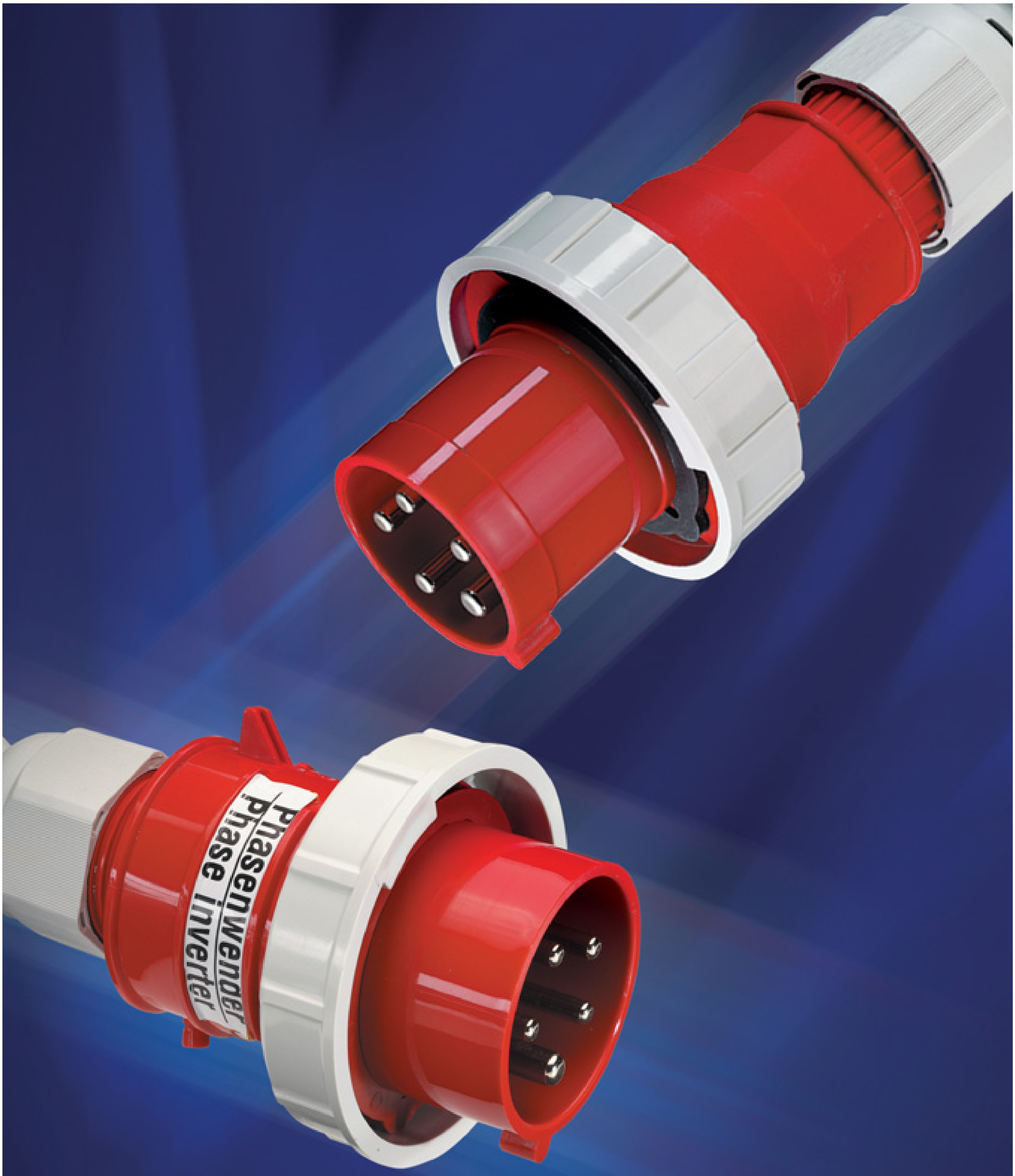


PLUGS, APPLIANCE INLETS AND PHASE INVERTERS

PLUGS, APPLIANCE INLETS AND PHASE INVERTERS

Plugs, Surface Mounting Appliance Inlets,
Panel Mounting Appliance Inlets and Appliance Inlets
with Flange, Phase Inverters

TABLE OF CONTENTS

Preferred scopes


Construction Industry

Camping site


Industry

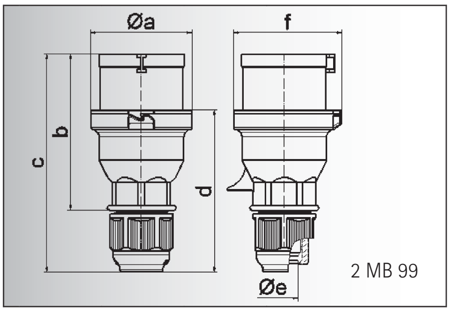

Building Services


Farming


Harbour and Shipbuilding

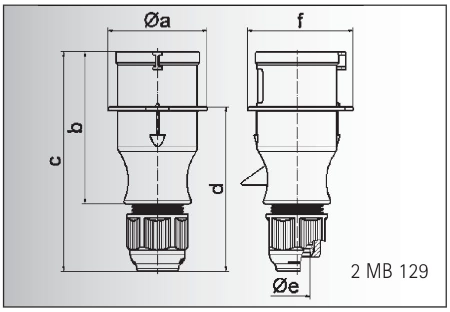
PLUGS

16A, 32A and 63A either screwless or screw terminals and fixing screws
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



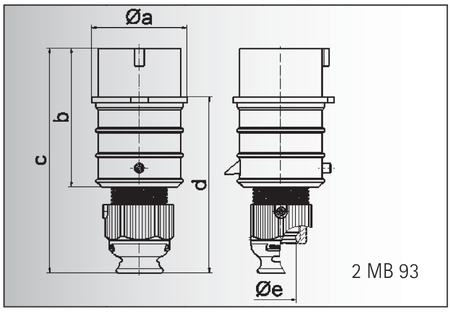
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	53,0	60,0	66,0	74,5	74,5	74,5
b	93,5	100,5	103,0	121,0	121,0	121,5
c	134,0	141,0	142,0	174,0	174,0	174,5
d	97,5	104,5	105,5	128,0	128,0	128,5
e ø	18,0	18,0	18,0	23,0	23,0	23,0
f	57,5	64,5	70,5	78,0	78,0	80,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Plug Quick-Connect with Multi-Grip
- screwless terminals
- screwless housing connection, self locking
- special gland, simultanous cable gland and seal
- protection degree IP 44



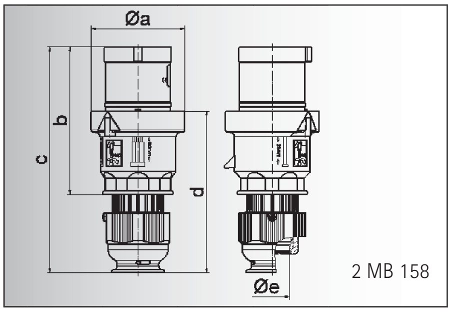
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	54,0	60,0	66,0	71,0	71,0	80,0
b	94,5	98,0	101,0	115,0	115,0	119,0
c	138,0	142,0	145,0	170,0	170,0	174,0
d	101,5	105,5	108,5	124,0	124,0	128,0
e ø	18,0	18,0	18,0	23,0	23,0	23,0
f	56,6	64,0	71,0	76,0	76,0	85,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Plug with Multi-Grip
- screw terminals
- one piece housing
- special gland, simultanous cable gland and seal
- protection degree IP 44



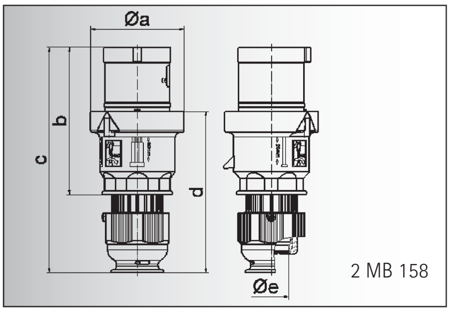
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	51,0	57,5	65,0	66,0	66,0	72,0
b	95,0	95,0	97,0	118,0	118,0	117,0
c	145,0	145,0	152,0	178,0	178,0	181,0
d	109,0	109,0	116,0	133,0	133,0	135,5
e ø	18,0	18,0	21,0	23,0	23,0	27,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Plug TE-Plus with Multi-Grip
- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44



Ampere	63	63
Poles	4	5
a ø	96,0	96,0
b	153,0	153,0
c	233,0	233,0
d	167,0	167,0
e ø	36,0	36,0
Cond. mm² min	6	6
Cond. mm² max	16	16

Plug TE-Plus with Multi-Grip
- screwless terminals
- screwless housing connection
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44



Ampere	63	63	63
Poles	3	4	5
a ø	96,0	96,0	96,0
b	153,0	153,0	153,0
c	233,0	233,0	233,0
d	167,0	167,0	167,0
e ø	36,0	36,0	36,0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

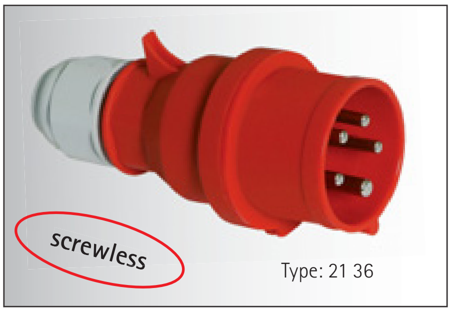
Plug TE with Multi-Grip
- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 44

Bals ELEKTROTECHNIK

3

Poles 3 4 5 — 2P+E 3P+E 3P+N+E

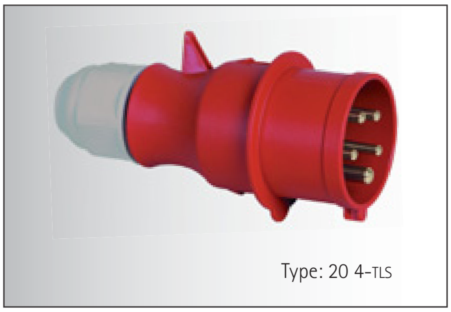
Ampere	Poles	110V 50-60 Hz 3pol 4pol 5pol 4h 4h 4h	230V 50-60 Hz 3pol 4pol 5pol 6h 9h 9h	400V 50-60 Hz 3pol 4pol 5pol 9h 6h 6h	500V 50-60 Hz 3pol 4pol 5pol 7h 7h 7h	100-300Hz > 50V 3pol 4pol 5pol 10h 10h 10h	301-500Hz > 50V 3pol 4pol 5pol 2h 2h 2h	Qty	g each



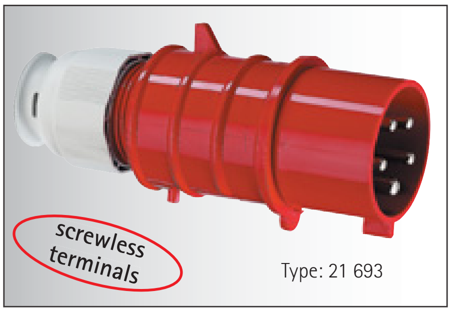
Type: 21 36

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	21 25	**21 26**					10	135
16	4		21 29	**21 30**				10	150
16	5		21 35	**21 36**				10	165
32	3		**21 38**					10	250
32	4		21 41	**21 42**				10	270
32	5		21 47	**21 48**				10	295

Other clock face positions on request.

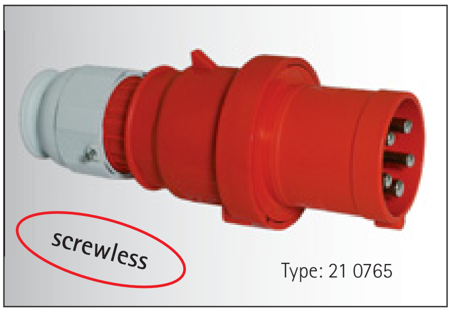

Type: 20 4-TLS

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	21 000-TLS	**21 001**-TLS	21 002-TLS	21 071-TLS	21 257-TLS	21 244-TLS	10	135
16	4	21 003-TLS	21 004-TLS	**21 005**-TLS	21 006-TLS	21 007-TLS	21 008-TLS	10	149
16	5	21 009-TLS	21 010-TLS	**20 3**-TLS	21 037-TLS	21 056-TLS	21 145-TLS	10	170
32	3	21 012-TLS	**21 013**-TLS	21 014-TLS	21 219-TLS	21 354-TLS	21 328-TLS	10	220
32	4	21 015-TLS	21 016-TLS	**21 017**-TLS	21 018-TLS	21 019-TLS	21 020-TLS	10	240
32	5	21 021-TLS	21 022-TLS	**20 4**-TLS	21 011-TLS	21 247-TLS	21 160-TLS	10	270



Type: 21 693

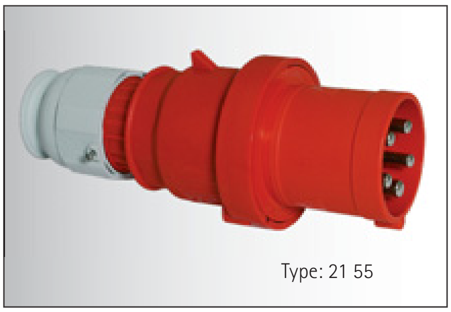
Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	21 837	**21 686**	21 843	21 0169	21 0170	21 0171	10	150
16	4	21 872	21 839	**21 687**	21 688	21 847	21 849	10	170
16	5	21 0176	21 840	**21 689**	21 0178	21 0179	21 879	10	195
32	3	21 838	**21 690**	21 844	21 0184	21 0185	21 0186	10	265
32	4	21 873	21 841	**21 691**	21 692	21 848	21 850	10	280
32	5	21 0193	21 842	**21 693**	21 623	21 0197	21 885	10	330



Type: 21 0765

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	4			**21 0761**	21 0763			5	700
63	5			**21 0765**				5	755

External cable gland please see page 244.


Type: 21 55

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	3	21 024	**21 04**	21 025	21 0030	21 531	21 624	5	610
63	4	21 49	21 50	**21 51**	21 52	21 300	21 526	5	680
63	5	21 53	21 54	**21 55**	21 167	21 663	21 419	5	735

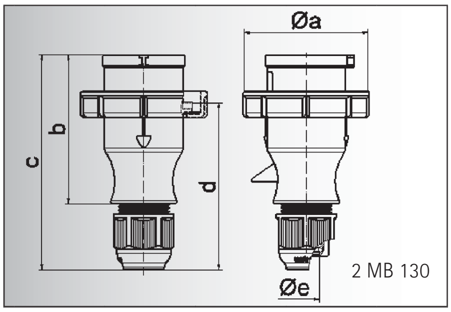
External cable gland please see page 244.

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

PLUGS

16A, 32A, 63A and 125A either screwless or screw terminals
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67

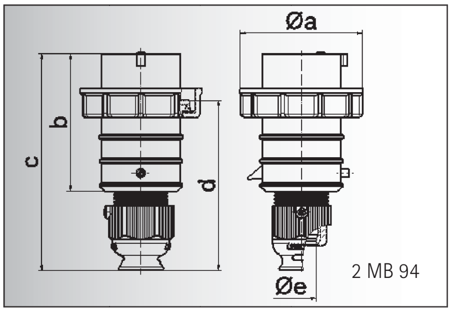


Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	70,0	78,0	86,0	94,0	94,0	101,0
b	94,5	98,0	101,0	115,0	115,0	119,0
c	138,0	142,0	145,0	170,0	170,0	174,0
d	105,5	109,5	112,5	128,0	128,0	132,0
e ø	18,0	18,0	18,0	23,0	23,0	23,0
Cond. mm^2 min	1	1	1	2,5	2,5	2,5
Cond. mm^2 max	2,5	2,5	2,5	6	6	6

Plug with Multi-Grip

- screw terminals
- one piece housing
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4

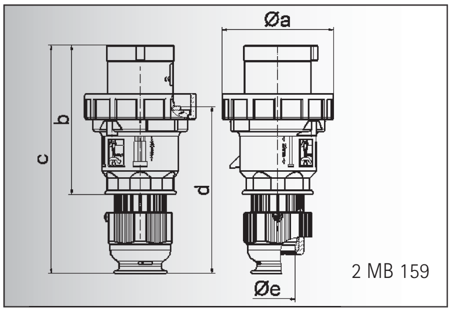


Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a ø	70,0	78,0	86,0	94,0	94,0	101,0
b	95,0	95,0	97,0	118,0	118,0	117,0
c	145,0	145,0	152,0	178,0	178,0	181,0
d	111,0	111,0	119,0	136,0	136,0	138,5
e ø	18,0	18,0	21,0	23,0	23,0	27,0
Cond. mm^2 min	1	1	1	2,5	2,5	2,5
Cond. mm^2 max	2,5	2,5	2,5	6	6	6

Plug TE-Plus with Multi-Grip

- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4

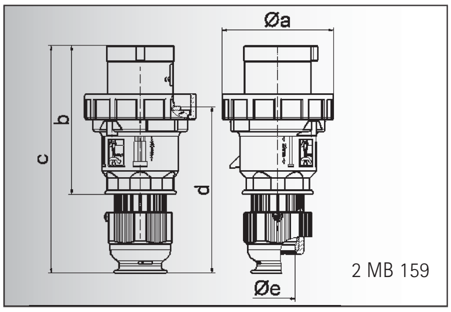


Ampere	63	63	63
Poles	3	4	5
a ø	113,5	113,5	113,5
b	153,0	153,0	153,0
c	233,0	233,0	233,0
d	171,0	171,0	171,0
e ø	36,0	36,0	36,0
Cond. mm^2 min	6	6	6
Cond. mm^2 max	16	16	16

Plug TE with Multi-Grip

- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4

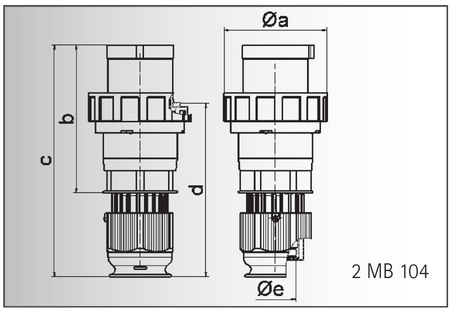


Ampere	63	63
Poles	4	5
a ø	113,5	113,5
b	153,0	153,0
c	233,0	233,0
d	171,0	171,0
e ø	36,0	36,0
Cond. mm^2 min	6	6
Cond. mm^2 max	16	16

Plug TE-Plus with Multi-Grip

- screwless terminals
- screwless housing connection
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories
closure cap see page 244/4

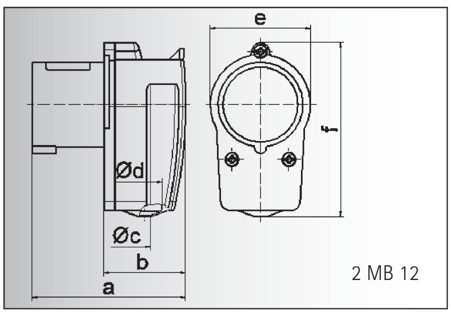


Ampere	125	125	125
Poles	3	4	5
a ø	126,0	126,0	126,0
b	181,0	181,0	181,0
c	282,0	282,0	282,0
d	206,0	206,0	206,0
e ø	50,0	50,0	50,0
Cond. mm^2 min	16	16	16
Cond. mm^2 max	50	50	50

Plug TE with Multi-Grip

- screw terminals
- screwless housing connection
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- special gland, simultanous cable gland and seal
- protection degree IP 67

Accessories:
closure cap see page 244/4



Ampere	16	16	16	32
Poles	3	4	5	5
a	80,0	85,0	96,0	116,0
b	44,0	49,0	59,0	70,0
c ø	6,5	6,5	8,0	10,0
d ø	18,0	18,0	18,0	25,0
e	51,0	57,0	64,0	-
f	90,0	95,0	74,0	101,0
Cond. mm^2 min	1	1	1	2,5
Cond. mm^2 max	2,5	2,5	2,5	6

Angled Plug

- screw terminals
- with short sleeve
- protection degree IP 44

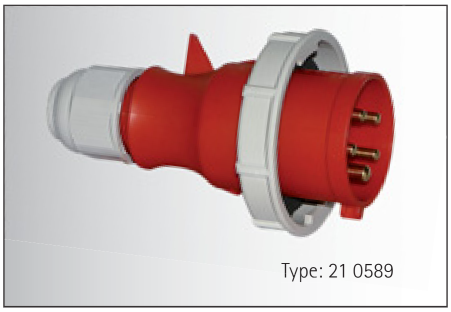
For further information please see Bals.com · Other voltages and frequencies are available on request.

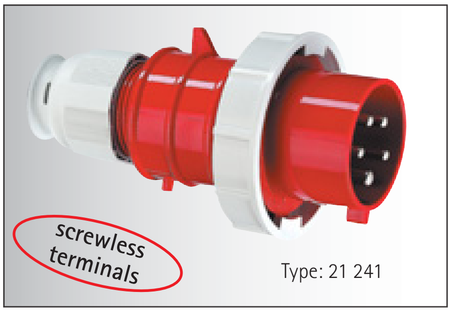
Bals
ELEKTROTECHNIK

3

Ampere	Poles	110V 50-60 Hz (3pol 4pol 5pol / 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol / 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol / 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol / 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol / 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol / 2h 2h 2h)	Qty	g each
16	3	21 0575	**21 0576**	21 0577				10	155
16	4	21 0581	21 0582	**21 0583**	21 0584			10	170
16	5	21 0587	21 0588	**21 0589**				10	170
32	3	21 0593	**21 0594**	21 0595				10	243
32	4	21 0599	21 0600	**21 0601**				10	255
32	5	21 0605	21 0606	**21 0607**				10	305

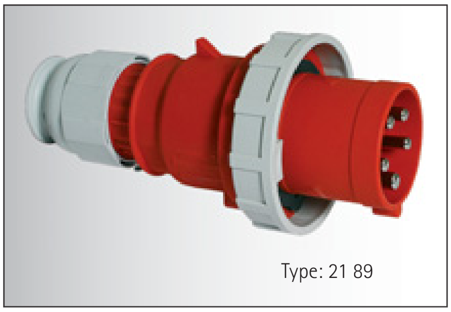
Poles: 2P+E (3), 3P+E (4), 3P+N+E (5)


Type: 21 0589



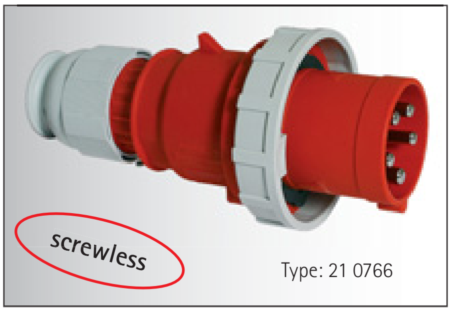
Type: 21 241

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	21 237	**21 238**	21 402	21 487	21 453	21 558	10	175
16	4	21 403	21 250	**21 349**	21 350	21 404	21 405	10	200
16	5	21 406	21 407	**21 239**	21 754	21 564	21 533	10	235
32	3	21 408	**21 240**	21 409	21 486	21 545	21 0222	10	310
32	4	21 410	21 251	**21 351**	21 352	21 411	21 412	10	335
32	5	21 413	21 414	**21 241**	21 282	21 484	21 0234	10	385


Type: 21 89

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	3	21 80	**21 81**	21 82	21 330			5	685
63	4	21 83	21 84	**21 85**	21 86	21 154	21 375	5	740
63	5	21 87	21 88	**21 89**	21 060	21 645	21 163	5	800

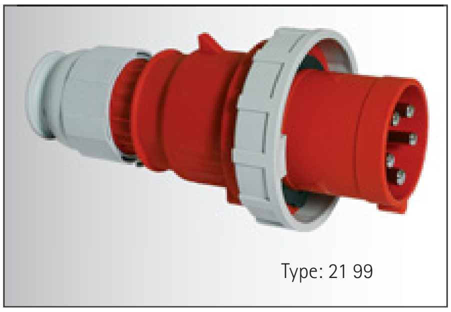
External cable gland please see page 244.



Type: 21 0766

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	4			**21 0762**	21 0764			5	750
63	5			**21 0766**				5	810

External cable gland please see page 244.


Type: 21 99

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
125	3	21 90	**21 91**	21 92				5	1105
125	4	21 93	21 94	**21 95**	21 96	21 607	21 155	5	1210
125	5	21 97	21 98	**21 99**	21 555	21 851	21 156	5	1325

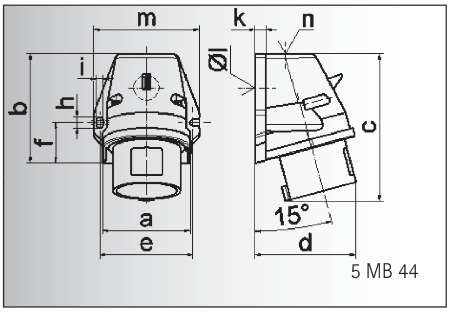
External cable gland please see page 244.


Type: 23 1

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	23 0	**23 1**	23 2	23 8		23 03	10	150
16	4	23 3	23 4	**23 5**	23 9		23 7	10	170
16	5			**23 6**				10	175
32	5			**23 00**				10	280

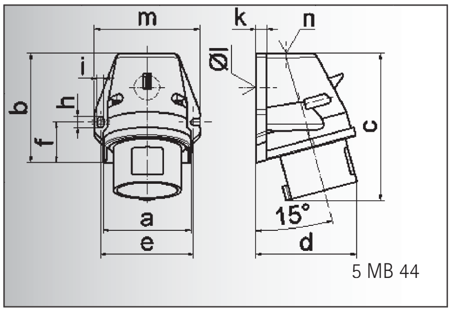
SURFACE MOUNTING APPLIANCE INLETS

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67



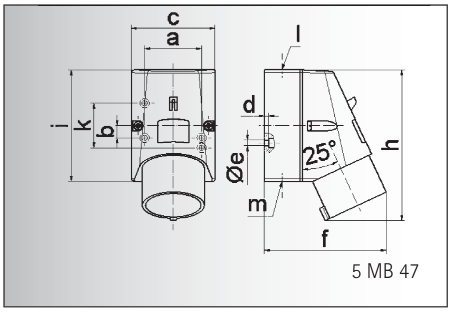
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	59,5	72,4	72,4	79,1	79,1	79,1
b	90,0	90,0	90,0	92,0	92,0	92,0
c	120,0	120,0	122,0	134,0	134,0	134,0
d	72,0	84,0	84,0	89,0	89,0	89,0
e	62,0	77,0	77,0	84,0	84,0	84,0
f	33,5	33,5	33,5	30,0	30,0	30,0
h	9,0	9,0	9,0	9,0	9,0	9,0
i	5,5	5,5	5,5	5,5	5,5	5,5
k	8,0	9,0	9,0	9,0	9,0	9,0
l ø	21,0	21,0	21,0	21,0	21,0	21,0
m	72,0	87,0	87,0	94,0	94,0	94,0
n	M 20	M 25	M 25	M 25	M 25	M 25
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Surface Mounting Appliance Inlet Quick-Connect
- screwless terminals
- cable entry one at top (open) one at bottom (closed)
- protection degree IP 44



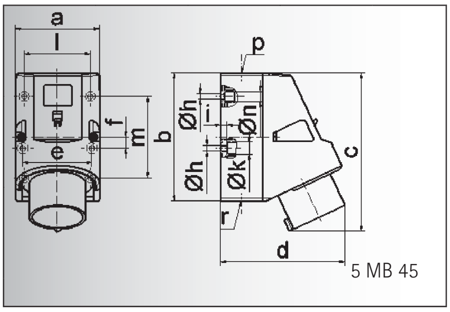
Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	59,5	72,4	72,4	79,1	79,1	79,1
b	90,0	90,0	90,0	92,0	92,0	92,0
c	120,0	120,0	122,0	134,0	134,0	134,0
d	72,0	84,0	84,0	89,0	89,0	89,0
e	62,0	77,0	77,0	84,0	84,0	84,0
f	33,5	33,5	33,5	30,0	30,0	30,0
h	9,0	9,0	9,0	9,0	9,0	9,0
i	5,5	5,5	5,5	5,5	5,5	5,5
k	8,0	9,0	9,0	9,0	9,0	9,0
l ø	21,0	21,0	21,0	21,0	21,0	21,0
m	72,0	87,0	87,0	94,0	94,0	94,0
n	M 20	M 25	M 25	M 25	M 25	M 25
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open) one at bottom (closed)
- protection degree IP 44



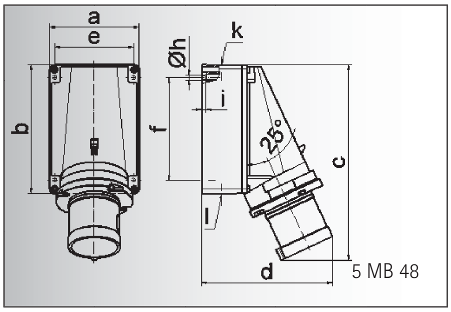
Ampere	16	16	16
Poles	3	4	5
a	51,0	59,0	59,0
b	-	11,0	11,0
c	64,0	75,0	75,0
d	4,0	4,0	4,0
e ø	4,1	5,1	5,1
f	93,0	106,0	110,0
h	122,0	135,0	135,0
i	87,0	100,0	100,0
k	40,0	-	-
l	M 20	M 20	M 20
m	for M 20	for M 20	for M 20
Cond. mm² min	1	1	1
Cond. mm² max	2,5	2,5	2,5

Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open) one at bottom and one rearward (closed)
- protection degree IP 44



Ampere	16	32	32	32
Poles	5	3	4	5
a	83,0	83,0	83,0	83,0
b	126,0	126,0	126,0	126,0
c	155,5	165,0	165,0	166,0
d	122,0	128,0	128,0	130,0
e	68,0	68,0	68,0	68,0
f	11,0	11,0	11,0	11,0
h ø	5,5	5,5	5,5	5,5
i	6,5	6,5	6,5	6,5
k ø	12,0	12,0	12,0	12,0
l	65,0	65,0	65,0	65,0
m	80,0	80,0	80,0	80,0
n ø	10	10,0	10,0	10,0
p	M 25	M 25	M 25	M 25
r	2xM 25	2xM 25	2xM 25	2xM 25
Cond. mm² min	1	2,5	2,5	2,5
Cond. mm² max	2,5	6	6	6

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- high temperature resistant contact carrier
- nickel plated contacts
- cable entry one at top (open), two at bottom (closed.)
- base of housing can rotate 180°
- 4 internal fixing holes
- suitable for through wiring
- protection degree IP 44



Ampere	63	63	63
Poles	3	4	5
a	118,0	118,0	118,0
b	170,0	170,0	170,0
c	259,0	259,0	259,0
d	174,0	174,0	174,0
e	104,0	104,0	104,0
f	136,0	136,0	136,0
h ø	6,1	6,1	6,1
i	6,0	6,0	6,0
k	M 40	M 40	M 40
l	M 32/32	M 32/32	M 32/32
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open) and two at bottom (closed)
- base of housing can rotate 180°
- protection degree IP 44

Bals ELEKTROTECHNIK

Ampere	Poles (3 = 2P+E, 4 = 3P+E, 5 = 3P+N+E)	110V 50-60 Hz 3pol 4pol 5pol 4h 4h 4h	230V 50-60 Hz 3pol 4pol 5pol 6h 9h 9h	400V 50-60 Hz 3pol 4pol 5pol 9h 6h 6h	500V 50-60 Hz 3pol 4pol 5pol 7h 7h 7h	100-300Hz > 50V 3pol 4pol 5pol 10h 10h 10h	301-500Hz > 50V 3pol 4pol 5pol 2h 2h 2h	Qty	g each

Type: 24 2001

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	24 422	**24 423**					10	170
16	4	24 398	24 393	**24 392**	24 539			10	210
16	5	24 399	24 400	**24 2001**				10	230
32	3	24 401	**24 402**					10	275
32	4	24 403	24 404	**24 405**	24 540			10	295
32	5	24 406	24 407	**24 2002**				10	315


Type: 24 142

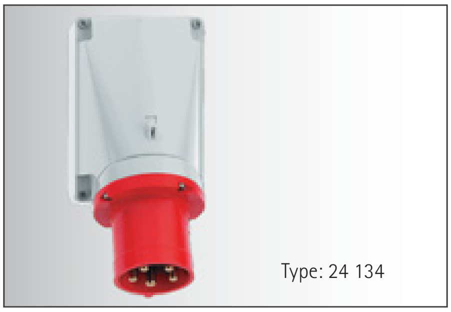
Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	24 48	**24 0**					10	170
16	4	24 363	24 364	**24 329**				10	210
16	5	24 365	24 366	**24 142**				10	230
32	3	24 367	**24 331**					10	275
32	4	24 368	24 369	**24 330**				10	295
32	5	24 370	24 207	**24 143**				10	315


Type: 24 15

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	24 4	**24 5**	24 6		24 074		10	190
16	4	24 7	24 8	**24 9**	24 10	24 11	24 12	10	245
16	5	24 13	24 14	**24 15**	24 98	24 166	24 03	10	270

Type: 24 413

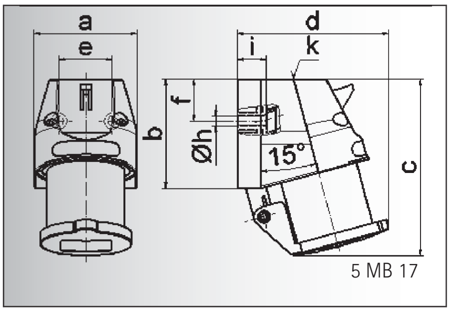
Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	5			24 362				10	330
32	3	24 408	**24 409**					10	360
32	4		24 410	**24 411**	24 412			10	380
32	5		24 551	**24 413**				10	415


Type: 24 134

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	3		**24 336**					5	815
63	4		24 337	**24 338**	24 339			5	960
63	5			**24 134**				5	1015

SURFACE MOUNTING APPLIANCE INLETS

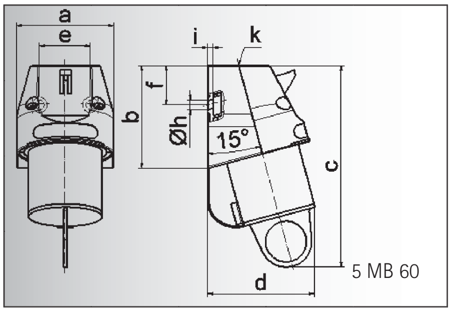
screw or screwless terminals, with hinged lid or closure cap
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44



5 MB 17

Ampere	16
Poles	3
a	56,5
b	60,0
c	97,5
d	84,0
e	29,5
f	23,0
h ø	5,5
i	16,0
k	M 20
Cond. mm² min	1
Cond. mm² max	2,5

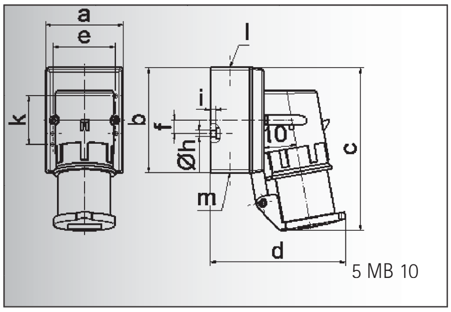
Surface Mounting Appliance Inlet
- screw terminals
- with hinged lid
- protection degree IP 44



5 MB 60

Ampere	16
Poles	3
a	56,5
b	60,0
c	118,0
d	63,0
e	29,5
f	23,0
h ø	5,5
i	3,0
k	M 20
Cond. mm² min	1
Cond. mm² max	2,5

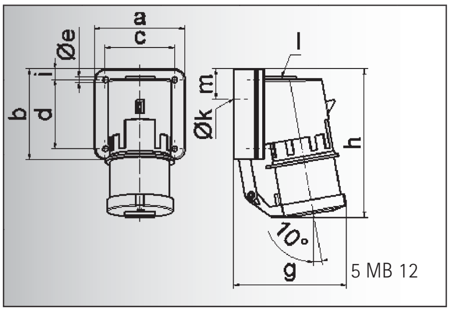
Surface Mounting Appliance Inlet
- screw terminals
- with closure cap
- protection degree IP 44



5 MB 10

Ampere	16	16
Poles	3	4
a	64,0	75,0
b	87,0	100,0
c	138,0	150,0
d	111,0	120,0
e	51,0	59,0
f	-	11,0
h ø	4,1	5,1
i	4,5	4,5
k	40,0	-
l	M 20	M 20
m	for M 20	for M 20
Cond. mm² min	1	1
Cond. mm² max	2,5	2,5

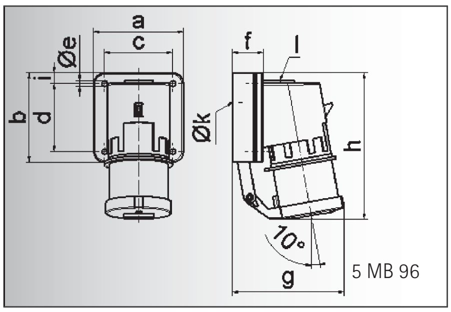
Surface Mounting Appliance Inlet
- screw terminals
- with hinged lid
- protection degree IP 44



5 MB 12

Ampere	16	32	32	32
Poles	5	3	4	5
a	84,0	90,0	90,0	90,0
b	84,0	75,0	75,0	75,0
c	64,0	78,0	78,0	78,0
d	64,0	45,0	45,0	45,0
e ø	5,5	5,5	5,5	5,5
g	105,0	114,0	114,0	115,0
h	138,0	149,0	149,0	150,0
i	10,0	13,0	13,0	13,0
k ø	23,0	29,0	29,0	29,0
l	M 20	M 25	M 25	M 25
m	28,0	27,0	27,0	27,0
Cond. mm² min	1	2,5	2,5	2,5
Cond. mm² max	2,5	6	6	6

Surface Mounting Appliance Inlet
- screw terminals
- with hinged lid
- protection degree IP 44



5 MB 96

Ampere	16	32
Poles	5	5
a	84,0	90,0
b	84,0	75,0
c	64,0	78,0
d	64,0	45,0
e ø	5,5	5,5
f	29,0	29,0
g	105,0	115,0
h	138,0	150,0
i	10,0	13,0
k ø	23,0	29,0
l	M 20	M 25
Cond. mm² min	1	2,5
Cond. mm² max	2,5	6

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- with hinged lid
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals
ELEKTROTECHNIK

3

Poles: 3 = 2P+E, 4 = 3P+E, 5 = 3P+N+E

Ampere	Poles	110V 50-60 Hz (3pol 4pol 5pol: 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol: 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol: 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol: 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol: 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol: 2h 2h 2h)	Qty	g each
16	3		**24 2**					10	170
16	3		**24 00**					10	140
16	3	24 60	**24 61**	24 62				10	220
16	4	24 63	24 64	**24 65**	24 66	24 67	24 68	10	305
16	5	24 69	**24 70**	24 71				10	305
32	3	24 335	**24 017**					10	335
32	4			**24 018**	24 019			10	350
32	5			**24 012**				10	380
16	5			**24 414**				10	320
32	5			**24 415**				10	410


Type: 24 2


Type: 24 00

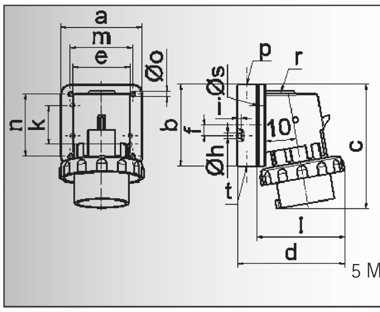

Type: 24 65


Type: 24 012

Type: 24 415

SURFACE MOUNTING APPLIANCE INLETS

also available with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 67

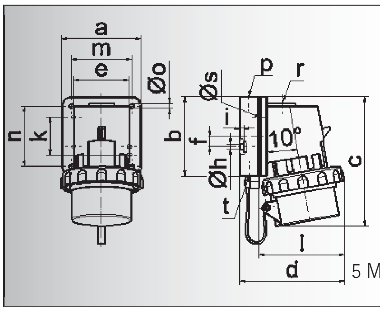


5 MB 128

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	64,0	75,0	84,0	90,0	90,0	90,0
b	87,0	100,0	84,0	75,0	75,0	75,0
c	137,0	151,0	136,0	138,0	138,0	139,0
d	112,0	119,0	-	122,0	122,0	123,0
e	51,0	59,0	-	-	-	-
f	-	11,0	-	-	-	-
h ø	4,1	5,1	-	-	-	-
i	4,5	4,5	-	-	-	-
k	40,0	-	-	-	-	-
l	-	-	111,0	-	-	-
m	-	-	64,0	78,0	78,0	78,0
n	-	-	64,0	45,0	45,0	45,0
o ø	-	-	5,5	5,5	5,5	5,5
p	M 20	M 20	-	-	-	-
r	-	-	M 20	M 25	M 25	M 25
s ø	-	-	23,0	29,0	29,0	29,0
t	for M 20	for M 20	-	-	-	-

Surface Mounting Appliance Inlet
- screw terminals
- nickel plated contacts
- terminal for cond. from 1 mm^2 up to 2,5 mm^2 at 16A
- terminal for cond. from 2,5 mm^2 up to 6 mm^2 at 32A
- protection degree IP 67

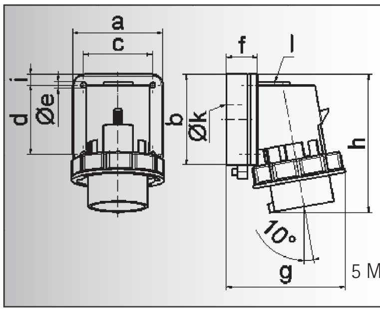
Accessories:
closure cap see page 244/4



5 MB 127

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	64,0	75,0	84,0	90,0	90,0	90,0
b	87,0	100,0	84,0	75,0	75,0	75,0
c	137,0	151,0	137,0	147,0	147,0	148,0
d	112,0	119,0	-	122,0	122,0	123,0
e	51,0	59,0	-	-	-	-
f	-	11,0	-	-	-	-
h ø	4,1	5,1	-	-	-	-
i	4,5	4,5	-	-	-	-
k	40,0	-	-	-	-	-
l	-	-	111,0	-	-	-
m	-	-	64,0	78,0	78,0	78,0
n	-	-	64,0	45,0	45,0	45,0
o ø	-	-	5,5	5,5	5,5	5,5
p	M 20	M 20	-	-	-	-
r	-	-	M 20	M 25	M 25	M 25
s ø	-	-	23,0	29,0	29,0	29,0
t	for M 20	for M 20	-	-	-	-

Surface Mounting Appliance Inlet
- screw terminals
- with closure cap
- nickel plated contacts
- terminal for cond. from 1 mm^2 up to 2,5 mm^2 at 16A
- terminal for cond. from 2,5 mm^2 up to 6 mm^2 at 32A
- protection degree IP 67

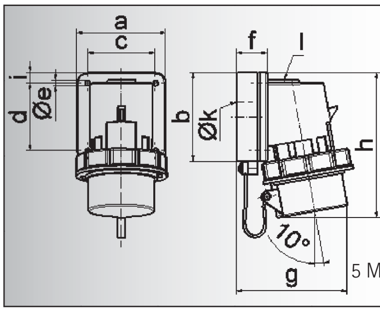


5 MB 129

Ampere	16	32
Poles	5	5
a	84,0	90,0
b	84,0	75,0
c	64,0	78,0
d	64,0	45,0
e ø	5,5	5,5
f	28,0	28,0
g	111,0	123,0
h	136,0	139,0
i	10,0	13,0
k ø	23,0	29,0
l	M 20	M 25

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- nickel plated contacts
- terminal for cond. from 1 mm^2 up to 2,5 mm^2 at 16A
- terminal for cond. from 2,5 mm^2 up to 6 mm^2 at 32A
- protection degree IP 67

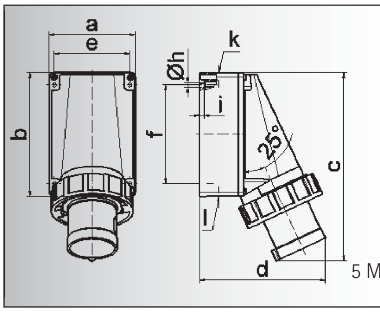
Accessories:
closure cap see page 244/4



5 MB 130

Ampere	16	32
Poles	5	5
a	84,0	90,0
b	84,0	75,0
c	64,0	78,0
d	64,0	45,0
e ø	5,5	5,5
f	28,0	28,0
g	111,0	123,0
h	137,0	148,0
i	10,0	13,0
k ø	23,0	29,0
l	M 20	M 25

Surface Mounting Appliance Inlet Quick-Connect TE
- screwless terminals
- with closure cap
- nickel plated contacts
- terminal for cond. from 1 mm^2 up to 2,5 mm^2 at 16A
- terminal for cond. from 2,5 mm^2 up to 6 mm^2 at 32A
- protection degree IP 67

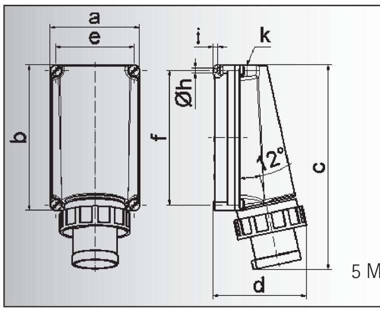


5 MB 37

Ampere	63	63	63
Poles	3	4	5
a	118,0	118,0	118,0
b	170,0	170,0	170,0
c	259,0	259,0	259,0
d	174,0	174,0	174,0
e	104,0	104,0	104,0
f	136,0	136,0	136,0
h ø	6,1	6,1	6,1
i	6,0	6,0	6,0
k	M 40	M 40	M 40
l	M 32/32	M 32/32	M 32/32
Cond. mm^2 min	6	6	6
Cond. mm^2 max	16	16	16

Surface Mounting Appliance Inlet
- screw terminals
- cable entry one at top (open), two at bottom (closed.)
- base of housing can rotate 180°
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4



5 MB 42

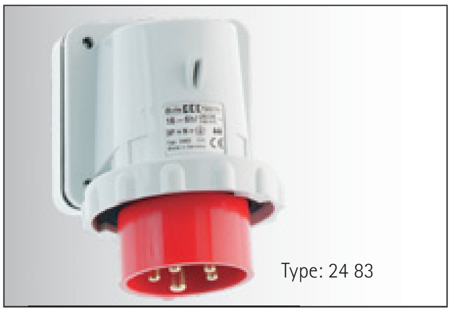
Ampere	125	125	125
Poles	3	4	5
a	160,0	160,0	160,0
b	260,0	260,0	260,0
c	364,0	364,0	364,0
d	165,0	165,0	165,0
e	140,0	140,0	140,0
f	240,0	240,0	240,0
h ø	8,3	8,3	8,3
i	10,0	10,0	10,0
k	M 50	M 50	M 50
Cond. mm^2 min	16	16	16
Cond. mm^2 max	50	50	50

Surface Mounting Appliance Inlet
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- terminal 5 x 50 mm^2 and wiring
- protection degree IP 67

Accessories:
closure cap see page 244/4

Bals ELEKTROTECHNIK

Poles: 3 – 2P+E, 4 – 3P+E, 5 – 3P+N+E


Type: 24 83

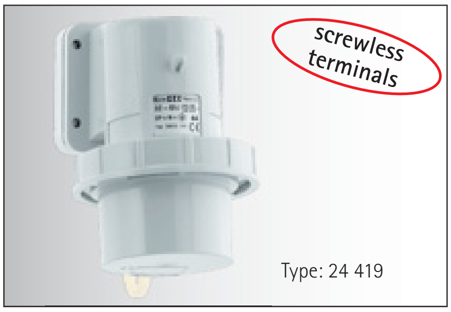
Ampere	Poles	110V 50-60 Hz 3pol 4pol 5pol 4h 4h 4h	230V 50-60 Hz 3pol 4pol 5pol 6h 9h 9h	400V 50-60 Hz 3pol 4pol 5pol 9h 6h 6h	500V 50-60 Hz 3pol 4pol 5pol 7h 7h 7h	100-300Hz > 50V 3pol 4pol 5pol 10h 10h 10h	301-500Hz > 50V 3pol 4pol 5pol 2h 2h 2h	Qty	g each
16	3	24 72	**24 73**	24 74				10	250
16	4	24 75	24 76	**24 77**	24 78	24 79	24 80	10	285
16	5	24 81	24 82	**24 83**	24 114			10	355
32	3	24 154	**24 020**					10	325
32	4		24 101	**24 021**	24 022			10	340
32	5			**24 02**	24 079			10	370


Type: 24 95

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	24 84	**24 85**	24 86				10	310
16	4	24 87	24 88	**24 89**	24 90	24 91	24 92	10	350
16	5	24 93	24 94	**24 95**				10	420
32	3	24 216	**24 023**					10	380
32	4			**24 024**	24 025			10	395
32	5			**24 013**	24 089	24 078		10	425

Type: 24 418

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	5			**24 416**				10	355
32	5			**24 418**				10	485



Type: 24 419

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	5			**24 258**				10	420
32	5			**24 419**				10	555


Type: 24 062

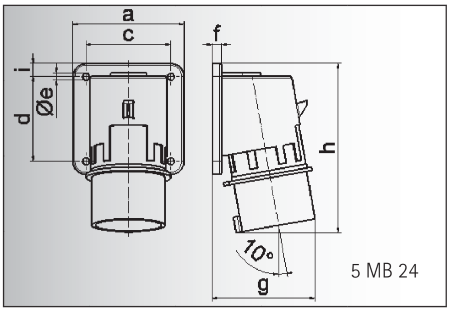
Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	3	24 140	**24 340**	24 145				5	880
63	4	24 232	24 341	**24 035**	24 342			5	1035
63	5			**24 062**		24 320		5	1140


Type: 24 202

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
125	3	24 197	**24 198**	24 220				1	1860
125	4	24 221	24 199	**24 200**	24 201			1	2180
125	5	24 222		**24 202**			24 279	1	2310

PANEL MOUNTING APPLIANCE INLETS

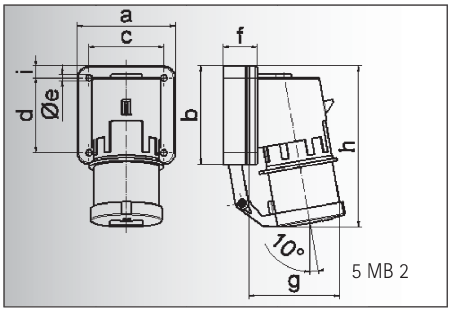
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67



5 MB 24

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	74,0	75,0	84,0	90,0	90,0	90,0
b	84,0	100,0	84,0	75,0	75,0	75,0
c	58,0	62,0	64,0	78,0	78,0	78,0
d	64,0	74,0	64,0	45,0	45,0	45,0
e ø	5,5	4,3	5,5	5,5	5,5	5,5
f	12,0	12,0	7,0	7,0	7,0	7,0
g	70,0	77,0	78,0	86,0	86,0	88,0
h	128,0	145,0	129,0	138,0	138,0	140,0
i	-	-	-	13,0	13,0	13,0
Cond. mm^2 min	1	1	1	2,5	2,5	2,5
Cond. mm^2 max	2,5	2,5	2,5	6	6	6

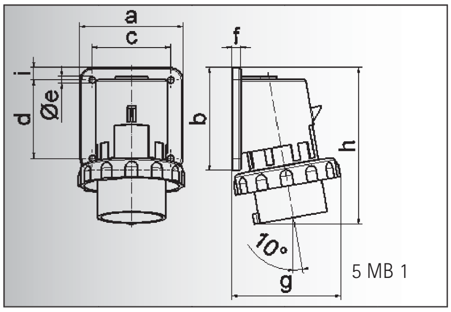
Panel Mounting Appliance Inlet
- screw terminals
- protection degree IP 44



5 MB 2

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	74,0	75,0	84,0	90,0	90,0	90,0
b	84,0	100,0	84,0	75,0	75,0	75,0
c	58,0	62,0	64,0	78,0	78,0	78,0
d	64,0	74,0	64,0	45,0	45,0	45,0
e ø	5,5	4,3	5,5	5,5	5,5	5,5
f	12,0	12,0	29,0	29,0	29,0	29,0
g	78,0	88,0	105,0	114,0	114,0	115,0
h	134,0	151,0	138,0	149,0	149,0	150,0
i	-	-	-	13,0	13,0	13,0
Cond. mm^2 min	1	1	1	2,5	2,5	2,5
Cond. mm^2 max	2,5	2,5	2,5	6	6	6

Panel Mounting Appliance Inlet
- screw terminals
- with hinged lid
- protection degree IP 44

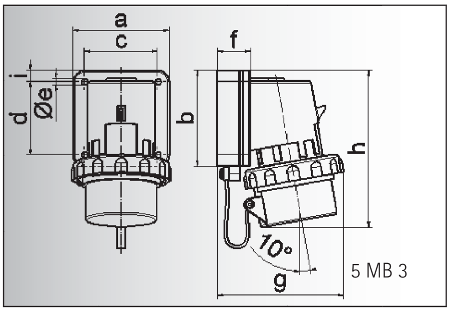


5 MB 1

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	74,0	75,0	84,0	90,0	90,0	90,0
b	84,0	100,0	84,0	75,0	75,0	75,0
c	58,0	62,0	64,0	78,0	78,0	78,0
d	64,0	74,0	64,0	45,0	45,0	45,0
e ø	5,5	4,3	5,5	5,5	5,5	5,5
f	12,0	12,0	7,0	7,0	7,0	7,0
g	80,0	88,0	90,0	100,0	100,0	101,0
h	128,0	145,0	129,0	138,0	138,0	139,0
i	-	-	10,0	13,0	13,0	13,0
Cond. mm^2 min	1	1	1	2,5	2,5	2,5
Cond. mm^2 max	2,5	2,5	2,5	6	6	6

Panel Mounting Appliance Inlet
- screw terminals
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4



5 MB 3

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	74,0	75,0	84,0	90,0	90,0	90,0
b	84,0	100,0	84,0	75,0	75,0	75,0
c	58,0	62,0	64,0	78,0	78,0	78,0
d	64,0	74,0	64,0	45,0	45,0	45,0
e ø	5,5	4,3	5,5	5,5	5,5	5,5
f	12,0	12,0	29,0	29,0	29,0	29,0
g	80,0	88,0	111,0	123,0	123,0	123,0
h	133,0	152,0	134,0	147,0	147,0	148,0
i	-	-	10,0	13,0	13,0	13,0
Cond. mm^2 min	1	1	1	2,5	2,5	2,5
Cond. mm^2 max	2,5	2,5	2,5	6	6	6

Panel Mounting Appliance Inlet
- screw terminals
- with closure cap
- nickel plated contacts
- protection degree IP 67

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals
ELEKTROTECHNIK

Poles: 3 (2P+E), 4 (3P+E), 5 (3P+N+E)

Type: 26 12

Ampere	Poles	110V 50-60 Hz (3pol 4pol 5pol / 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol / 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol / 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol / 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol / 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol / 2h 2h 2h)	Qty	g each
16	3	26 0	**26 1**	26 2				10	165
16	4	26 3	26 4	**26 5**	26 6	26 7	26 8	10	180
16	5	26 10	26 11	**26 12**	26 49		26 036	10	200
32	3		**26 62**					10	220
32	4	26 026	26 84	**26 63**	26 64	26 79	26 028	10	235
32	5	26 023	26 030	**26 00**	26 065		26 029	10	265

Type: 26 55

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	26 25	**26 26**	26 27				10	185
16	4	26 28	26 29	**26 30**	26 31	26 32	26 33	10	200
16	5	26 34	26 35	**26 36**	26 71			10	330
32	3		**26 56**					10	350
32	4		26 85	**26 57**	26 58			10	370
32	5	26 015		**26 55**				10	390

Type: 26 01

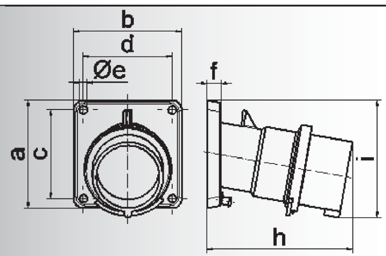
Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	26 13	**26 14**	26 15				10	185
16	4	26 16	26 17	**26 18**	26 19	26 20	26 21	10	220
16	5	26 22	26 23	**26 24**	26 50			10	225
32	3	26 033	**26 65**					10	265
32	4		26 94	**26 66**	26 67			10	280
32	5			**26 01**				10	310

Type: 26 04

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	26 37	**26 38**	26 39				10	210
16	4	26 40	26 41	**26 42**	26 43	26 44	26 45	10	380
16	5	26 46	26 47	**26 48**				10	400
32	3		**26 59**					10	375
32	4			**26 60**	26 61			10	390
32	5			**26 04**				10	420

APPLIANCE INLETS WITH FLANGE

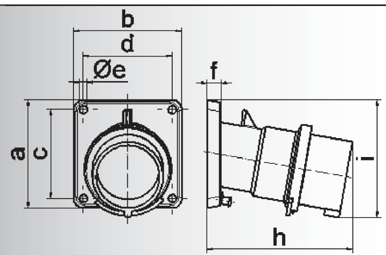
16A and 32A also available with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67



5 MB 21

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	85,0	85,0	85,0	85,0	85,0	85,0
b	85,0	85,0	85,0	85,0	85,0	85,0
c	70,0	70,0	70,0	70,0	70,0	70,0
d	70,0	70,0	70,0	70,0	70,0	70,0
e ø	6,3	6,3	6,3	6,3	6,3	6,3
f	11,0	11,0	11,0	11,0	11,0	11,0
h	104,0	110,0	116,0	121,0	121,0	127,0
i	83,0	90,0	92,0	96,0	96,0	100,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

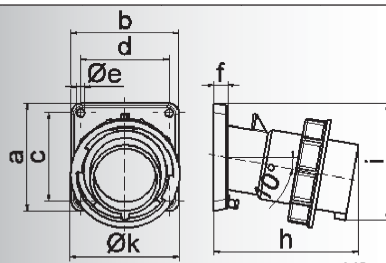
Appliance Inlet with Flange Quick-Connect TE
- screwless terminals
- angled 10°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44



5 MB 21

Ampere	63	63	63
Poles	3	4	5
a	107,0	107,0	107,0
b	100,0	100,0	100,0
c	85,0	85,0	85,0
d	77,0	77,0	77,0
e ø	6,5	6,5	6,5
f	12,0	12,0	12,0
h	155,0	155,0	155,0
i	118,0	118,0	118,0
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

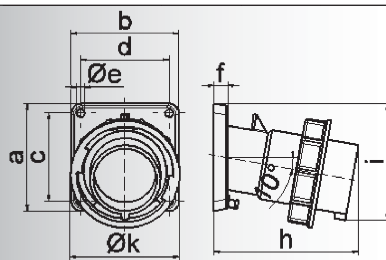


5 MB 22

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	85,0	85,0	85,0	85,0	85,0	85,0
b	85,0	85,0	85,0	85,0	85,0	85,0
c	70,0	70,0	70,0	70,0	70,0	70,0
d	70,0	70,0	70,0	70,0	70,0	70,0
e ø	6,3	6,3	6,3	6,3	6,3	6,3
f	11,0	11,0	11,0	11,0	11,0	11,0
h	104,0	110,0	116,0	121,0	121,0	127,0
i	83,0	90,0	92,0	96,0	96,0	100,0
k	70,5	79,5	86,5	95,0	95,0	101,5
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Appliance Inlet with Flange Quick-Connect TE
- screwless terminals
- angled 10°
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4

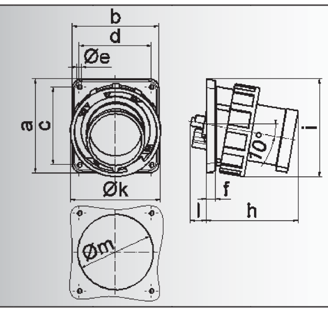


5 MB 22

Ampere	63	63	63
Poles	3	4	5
a	107,0	107,0	107,0
b	100,0	100,0	100,0
c	85,0	85,0	85,0
d	77,0	77,0	77,0
e ø	6,5	6,5	6,5
f	12,0	12,0	12,0
h	155,0	155,0	155,0
i	118,0	118,0	118,0
k	113,5	113,5	113,5
Cond. mm² min	6	6	6
Cond. mm² max	16	16	16

Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4



5 MB 56

Ampere	125	125	125
Poles	3	4	5
a	130,0	130,0	130,0
b	120,0	120,0	120,0
c	108,0	108,0	108,0
d	100,0	100,0	100,0
e ø	6,5	6,5	6,5
f	13,0	13,0	13,0
h	130,0	130,0	130,0
i	135,0	135,0	135,0
k	126,0	126,0	126,0
l	23,0	23,0	23,0
m ø	105,0	105,0	105,0
Cond. mm² min	16	16	16
Cond. mm² max	50	50	50

Appliance Inlet with Flange TE
- screw terminals
- angled 10°
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4

Bals ELEKTROTECHNIK

Ampere	Poles (3 = 2P+E, 4 = 3P+E, 5 = 3P+N+E)	110V 50-60 Hz (3pol 4pol 5pol: 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol: 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol: 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol: 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol: 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol: 2h 2h 2h)	Qty	g each

Type: 27 124

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	27 209	**27 121**	27 210				10	140
16	4	27 211	27 207	**27 122**	27 212	27 213	27 214	10	215
16	5	27 215	27 216	**27 124**	27 217			10	240
32	3	27 218	**27 219**	**27 220**				10	275
32	4	27 221	27 222	**27 223**	27 224	27 225	27 226	10	290
32	5	27 247	27 248	**27 249**				10	315


Type: 27 81

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	3	27 70	**27 71**	27 72				10	550
63	4	27 73	27 74	**27 75**	27 76	27 77	27 78	10	620
63	5	27 79	27 80	**27 81**				10	675

Type: 27 93

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	27 227	**27 83**	27 228				10	215
16	4	27 229	27 86	**27 87**	27 230	27 231	27 232	10	245
16	5	27 233	27 234	**27 93**	27 278			10	275
32	3	27 235	**27 236**	27 237				10	330
32	4	27 238	27 239	**27 240**	27 241	27 242	27 243	10	350
32	5	27 244	27 245	**27 246**				10	400


Type: 27 017

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
63	3	27 006	**27 007**	27 008				5	615
63	4	27 009	27 010	**27 011**	27 012	27 013	27 014	5	685
63	5	27 015	27 016	**27 017**				5	740

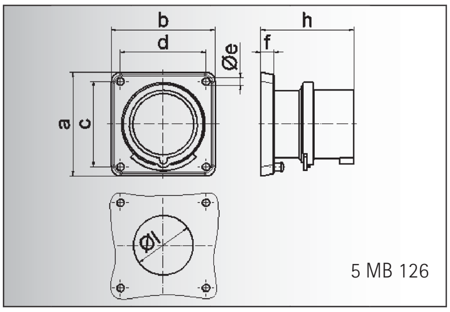

Type: 27 44

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
125	3	27 35	**27 36**	27 37				5	1050
125	4	27 38	27 39	**27 40**	27 41	27 252	27 023	5	1140
125	5	27 42	27 43	**27 44**	27 024			5	1265

APPLIANCE INLETS WITH FLANGE

IEC 60309-1/2, EN 60309, VDE 0623

protection degree IP 44, IP 67

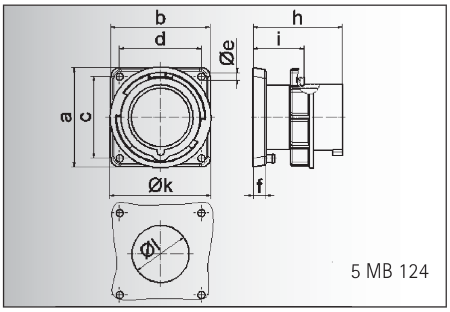


5 MB 126

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	85,0	85,0	85,0	85,0	85,0	85,0
b	85,0	85,0	85,0	85,0	85,0	85,0
c	70,0	70,0	70,0	70,0	70,0	70,0
d	70,0	70,0	70,0	70,0	70,0	70,0
e ø	6,3	6,3	6,3	6,3	6,3	6,3
f	11,0	11,0	11,0	11,0	11,0	11,0
h	75,5	75,0	76,5	85,0	85,0	85,0
l ø	49,0	49,0	49,0	49,0	49,0	49,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Appliance Inlet with Flange
- screw terminals
- straight
- protection degree IP 44

(A retaining nose is requested in use)



5 MB 124

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	85,0	85,0	85,0	85,0	85,0	85,0
b	85,0	85,0	85,0	85,0	85,0	85,0
c	70,0	70,0	70,0	70,0	70,0	70,0
d	70,0	70,0	70,0	70,0	70,0	70,0
e ø	6,3	6,3	6,3	6,3	6,3	6,3
f	11,0	11,0	11,0	11,0	11,0	11,0
h	75,5	75,0	76,5	85,0	85,0	85,0
i	44,0	44,0	44,0	44,0	44,0	44,0
k	70,5	78,5	86,5	94,0	94,0	101,5
l ø	49,0	49,0	49,0	49,0	49,0	49,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Appliance Inlet with Flange
- screw terminals
- straight
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)

Accessories:
closure cap see page 244/4

Bals ELEKTROTECHNIK

Poles: 3 (2P+E), 4 (3P+E), 5 (3P+N+E)


Type: 28 108

Ampere	Poles	110V 50-60 Hz (3pol 4pol 5pol / 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol / 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol / 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol / 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol / 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol / 2h 2h 2h)	Qty	g each
16	3		28 98					10	210
16	4			28 100				10	225
16	5			28 102				10	230
32	3		28 104					10	230
32	4			28 106				10	255
32	5			28 108				10	275


Type: 28 109

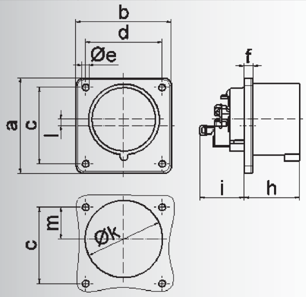
Ampere	Poles	110V 50-60 Hz (3pol 4pol 5pol / 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol / 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol / 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol / 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol / 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol / 2h 2h 2h)	Qty	g each
16	3		28 99					10	230
16	4			28 101				10	250
16	5			28 103				10	265
32	3		28 105					10	270
32	4			28 107				10	295
32	5			28 109				10	315

For further information please see Bals.com · Other voltages and frequencies are available on request.

Bals ELEKTROTECHNIK

APPLIANCE INLETS WITH FLANGE straight

16A and 32A also available with screwless Quick-Connect technique
IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67

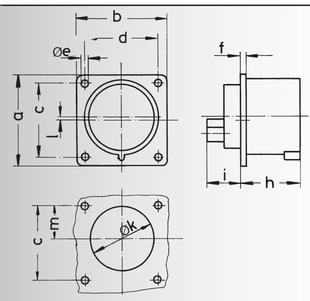


5 MB 85

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	75,0	75,0	75,0	75,0	75,0	75,0
b	75,0	75,0	75,0	75,0	75,0	75,0
c	60,0	60,0	60,0	60,0	60,0	60,0
d	60,0	60,0	60,0	60,0	60,0	60,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	7,0	7,0	7,0	7,0	7,0	7,0
h	43,0	43,0	43,0	53,0	53,0	53,0
i	39,0	39,0	39,0	50,0	50,0	50,0
k ø	42,0	48,0	61,0	57,0	57,0	60,0
l	-	-	5,0	2,0	2,0	-
m	30,0	30,0	25,0	28,0	28,0	30,0
Cond. mm² min	1	1	1	2,5	2,5	2,5
Cond. mm² max	2,5	2,5	2,5	6	6	6

Appliance Inlet with Flange Quick-Connect
- screwless terminals
- Flange 75 x 75 mm
- protection degree IP 44

(A retaining nose is requested in use)

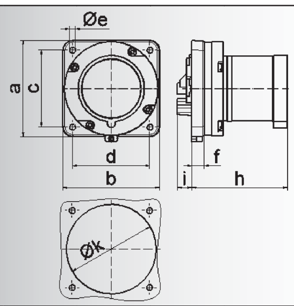


5 MB 39

Ampere	16	16	16	32	32	32
Poles	3	4	5	3	4	5
a	75,0	75,0	75,0	75,0	75,0	75,0
b	75,0	75,0	75,0	75,0	75,0	75,0
c	60,0	60,0	60,0	60,0	60,0	60,0
d	60,0	60,0	60,0	60,0	60,0	60,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	7,0	7,0	7,0	7,0	7,0	7,0
h	43,0	43,0	43,0	53,0	53,0	53,0
i	24,0	24,0	24,0	30,0	30,0	30,0
k ø	42,0	48,0	61,0	57,0	57,0	60,0
l	-	-	5,0	2,0	2,0	-
m	30,0	30,0	25,0	28,0	28,0	30,0
Cond. mm² min	1,5	1,5	1,5	2,5	2,5	2,5
Cond. mm² max	4	4	4	10	10	10

Appliance Inlet with Flange
- screw terminals
- Flange 75 x 75 mm
- protection degree IP 44

(A retaining nose is requested in use)

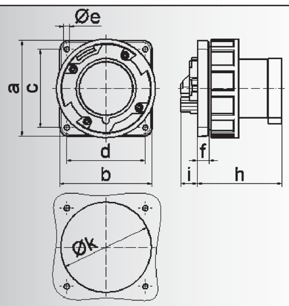


5 MB 59

Ampere	63	63	63	63	63	63
Poles	3	4	5	3	4	5
a	110,0	110,0	110,0	100,0	100,0	100,0
b	106,0	106,0	106,0	100,0	100,0	100,0
c	90,0	90,0	90,0	80,0	80,0	80,0
d	90,0	90,0	90,0	80,0	80,0	80,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	13,0	13,0	13,0	13,0	13,0	13,0
h	96,0	96,0	96,0	96,0	96,0	96,0
i	19,0	19,0	19,0	19,0	19,0	19,0
k	93,0	93,0	93,0	93,0	93,0	93,0
Cond. mm² min	6	6	6	6	6	6
Cond. mm² max	16	16	16	16	16	16

Appliance Inlet with Flange TE
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

(A retaining nose is requested in use)



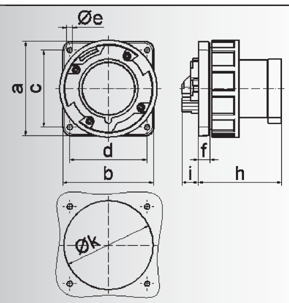
5 MB 50/
5 MB 134

Ampere	63	63	63	63	63	63
Poles	3	4	5	3	4	5
a	110,0	110,0	110,0	100,0	100,0	100,0
b	106,0	106,0	106,0	100,0	100,0	100,0
c	90,0	90,0	90,0	80,0	80,0	80,0
d	90,0	90,0	90,0	80,0	80,0	80,0
e ø	5,5	5,5	5,5	5,5	5,5	5,5
f	13,0	13,0	13,0	13,0	13,0	13,0
h	96,0	96,0	96,0	96,0	96,0	96,0
i	19,0	19,0	19,0	19,0	19,0	19,0
k	93,0	93,0	93,0	93,0	93,0	93,0
Cond. mm² min	6	6	6	6	6	6
Cond. mm² max	16	16	16	16	16	16

Appliance Inlet with Flange TE
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)

Accessories:
closure cap see page 244/4



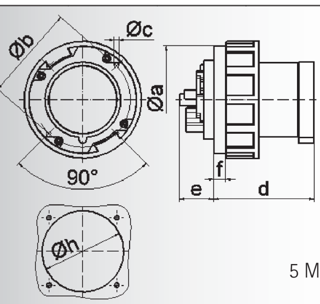
5 MB 57

Ampere	125	125	125
Poles	3	4	5
a	120,0	120,0	120,0
b	120,0	120,0	120,0
c	100,0	100,0	100,0
d	100,0	100,0	100,0
e ø	6,5	6,5	6,5
f	13,0	13,0	13,0
h	116,0	116,0	116,0
i	20,0	20,0	20,0
k	104,0	104,0	104,0
Cond. mm² min	16	16	16
Cond. mm² max	50	50	50

Appliance Inlet with Flange TE
- screw terminals
- Flange 120 x 120 mm
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)

Accessories:
closure cap see page 244/4



5 MB 49

Ampere	125	125	125
Poles	3	4	5
a	115,0	115,0	115,0
b ø	102,0	102,0	102,0
c	5,2	5,2	5,2
d	108,0	108,0	108,0
e	37,0	37,0	37,0
f	13,0	13,0	13,0
h	87,0	87,0	87,0
Cond. mm² min	16	16	16
Cond. mm² max	50	50	50

Appliance Inlet with Flange TE
- screw terminals
- box terminals
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

(A retaining nose is requested in use)

Accessories:
closure cap see page 244/4

Bals ELEKTROTECHNIK

Ampere	Poles	110V 50-60 Hz (3pol 4pol 5pol / 4h 4h 4h)	230V 50-60 Hz (3pol 4pol 5pol / 6h 9h 9h)	400V 50-60 Hz (3pol 4pol 5pol / 9h 6h 6h)	500V 50-60 Hz (3pol 4pol 5pol / 7h 7h 7h)	100-300Hz > 50V (3pol 4pol 5pol / 10h 10h 10h)	301-500Hz > 50V (3pol 4pol 5pol / 2h 2h 2h)	Qty	g each

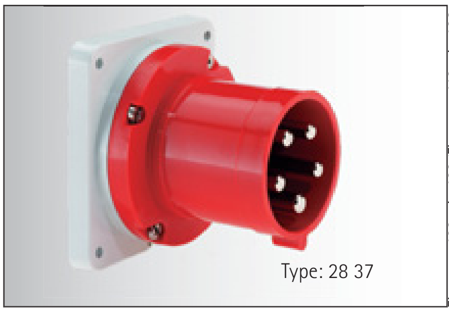
Poles: 3 – 2P+E, 4 – 3P+E, 5 – 3P+N+E

Type: 28 2002

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	28 001	28 111				28 002	10	120
16	4	28 003	28 017	28 112	28 004		28 005	10	130
16	5		28 006	28 2001			28 008	10	135
32	3	28 009	28 010					10	180
32	4		28 011	28 012	28 013			10	205
32	5	28 014	28 015	28 2002				10	240


Type: 28 14

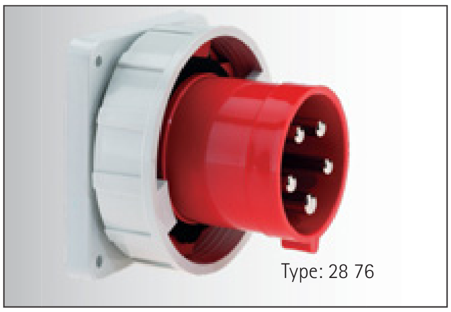
Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
16	3	28 26	28 17				28 77	10	120
16	4	28 73	28 040	28 31				10	130
16	5		28 55	2814	28 52		28 54	10	135
32	3	28 08	28 27					10	180
32	4		28 28	28 30				10	205
32	5	28 49	28 48	28 15	28 74			10	240


Type: 28 37

Flange	Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
Flange a=110 x b=106	63	3	28 80	28 34			28 69		5	485
	63	4		28 41	28 33	28 64			5	550
	63	5			28 37	28 58			5	610
Flange a=100 x b=100	63	3	28 05	28 175					5	480
	63	4			28 32	28 179			5	545
	63	5			28 052				5	605


Type: 28 38

Flange	Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
Flange a=110 x b=106	63	3	28 81	28 35					5	550
	63	4		28 42	28 36				5	620
	63	5			28 38				5	675
Flange a=100 x b=100	63	3	28 177	28 176					5	545
	63	4			28 178	28 72			5	615
	63	5			28 180				5	670


Type: 28 76

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
125	3	28 82	28 60					5	920
125	4			28 61				5	1010
125	5			28 76				5	1135

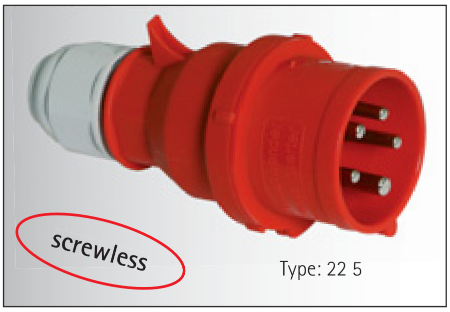

Type: 28 46

Ampere	Poles	110V	230V	400V	500V	100-300Hz	301-500Hz	Qty	g each
125	3		28 43					5	870
125	4		28 44	28 45				5	960
125	5			28 46				5	1085

PHASE INVERTERS

IEC 60309-1/2, EN 60309, VDE 0623
protection degree IP 44, IP 67

Poles: 4 = 3P+E, 5 = 3P+N+E

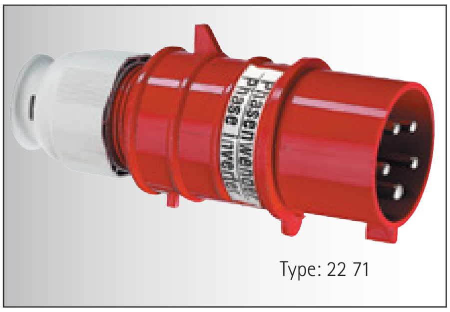


Type: 22 5

Phase inverter Quick-Connect with Multi-Grip
- screwless terminals
- screwless housing connection, self locking
- special gland, simultanous cable gland and seal
- protection degree IP 44

drawing see page 50/1 (2 MB 99)

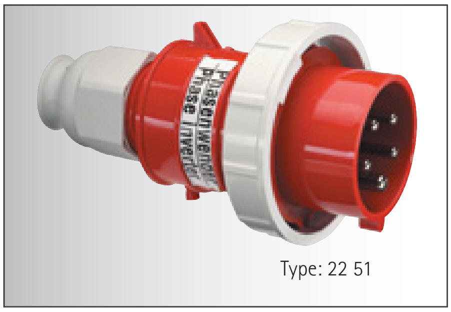
Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	4	22 052	22 053	10	150
16	5	22 4	22 5	10	175
32	4	22 054	22 055	10	260
32	5	22 6	22 7	10	290


Type: 22 71

Phase inverter TE Multi-Grip
- screw terminals
- special gland, simultanous cable gland and seal
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

drawing see page 48/4 (2 MB 93)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5	22 86	22 71	10	210
32	5	22 87	22 88	10	280


Type: 22 51

Phase inverter TE Multi-Grip
- screw terminals
- special gland, simultanous cable gland and seal
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4
drawing see page 50/2 (2 MB 94)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5	22 66	22 51	10	250
32	5	22 67	22 52	10	320


Type: 24 211

Phase inverter
- screw terminals
- as Surface Mounting Appliance Inlet
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 44

drawing see page 52/4 (5 MB 45)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5	24 208	24 209	10	300
32	5	24 210	24 211	10	330


Type: 26 02

Phase inverter
- screw terminals
- as Panel Mounting Appliance Inlet
- nickel plated contacts
- protection degree IP 44

drawing see page 54/5 (5 MB 96)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5	26 008	26 02	10	215
32	5	26 52	26 03	10	285

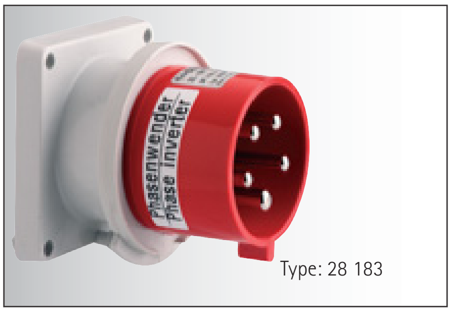

Type: 26 020

Phase inverter
- screw terminals
- as Panel Mounting Appliance Inlet
- with hinged lid
- nickel plated contacts
- protection degree IP 44

drawing see page 54/4 (5 MB 12)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5		26 020	10	340
32	5		26 74	10	480

For further information please see Bals.com · Other voltages and frequencies are available on request.

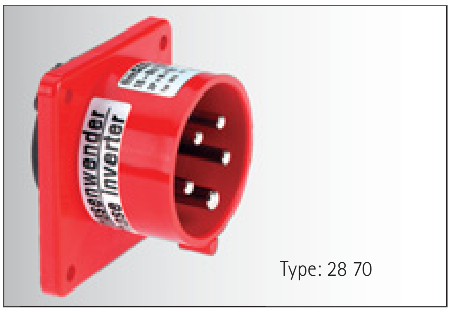

Type: 28 183

Phase inverter
- screw terminals
- as Appliance Inlet with Flange
- nickel plated contacts
- protection degree IP 44

(To ensure latching feature of hinged lid of connector a retainig device must be provided.)

drawing see page 66/1(5 MB 126)

Ampere	Poles (4: 3P+E / 5: 3P+N+E)	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5		28 181	10	215
32	5		28 183	10	275


Type: 28 70

Phase inverter
- screw terminals
- as Appliance Inlet with Flange
- nickel plated contacts
- protection degree IP 44

(To ensure latching feature of hinged lid of connector a retainig device must be provided.)

drawing see page 64/1 (5 MB 85)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5		28 70	10	165
32	5		28 57	10	215

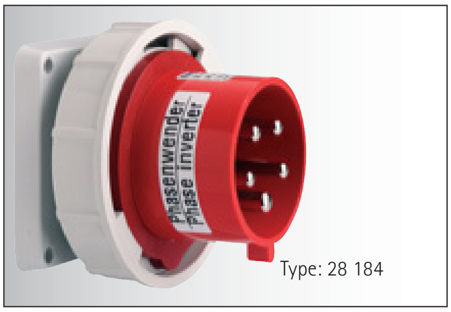

Type: 26 07

Phase inverter
- screw terminals
- as Panel Mounting Appliance Inlet
- high temperature resistant contact carrier
- nickel plated contacts
- protection degree IP 67

Accessories:
closure cap see page 244/4

drawing see page 58/3 (5 MB 1)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5	26 009	26 07	10	230
32	5	26 010	26 08	10	315


Type: 28 184

Phase inverter
- screw terminals
- as Appliance Inlet with Flange
- nickel plated contacts
- protection degree IP 67

(To ensure latching feature of hinged lid of connector a retainig device must be provided.)
Accessories:
closure cap see page 244/4

drawing see page 62/2 (5 MB 124)

Ampere	Poles	230V 50-60 Hz 9h	400V 6h	Qty	g each
16	5		28 182	10	250
32	5		28 184	10	320