General characteristics

This chapter explains the technical characteristics of the PLUSO series plugs and socket-outlets for industrial purposes.
The range of products covers a wide number of different installation requirements.
The plugs and socket-outlets are suitable for fixed or mobile installations. The fixed plugs and socket-outlets may be wall or flush-mounted.
Thanks to the wide range of the ILME enclosures of the FM, FC and BK series (types BC...) the flush-mounting plugs and socket-outlets can be assembled rapidly in a group configuration.
These construction features enable ILME plugs and socket-outlets to be suitable for use in the most demanding applications:

- the mechanical industry
- the shipbuilding industry
- the chemical and petrochemical industry
- the services sector
- the building industry
- the agricultural and livestock breeding sector

The following parameters must be considered when selecting the correct type of plugs and socket-outlets:

- rated current of the device to feed through plug and socket-outlet coupling;
- the rated voltage of the power supply and the type of distribution (single phase or three-phase, with or without the neutral conductor) to determine the number of poles for the hour position.
  The hour position "1h" is available for all those voltages or voltage ranges > 50V and for frequencies or ranges of frequencies not covered by the standards.
- The type of installation (fixed or mobile) to determine the construction type of the plug and socket (flush-mounting straight or inclined, wall, mobile, mobile angled).
- The location of the installation to determine the degree of protection required (IP44 or IP67) and the voltage (in some areas the installation standards require very low safety voltage).

The following types of plugs and socket-outlets are available:

- wall-mounting plugs and socket-outlets (low and extra-low voltage).
- plugs and socket-outlets and straight flush-mounting socket-outlets (low and extra-low voltage).
- plugs and inclined flush-mounting socket-outlets (low voltage)
- straight plugs and couplers (low and extra-low voltage).
- angled plugs (low voltage).
- 5-pole plugs with phase inverter (low voltage, SIP type).
- 5-pole single-block plugs and socket-outlets (low voltage, PEM type) for automated cabling.

Electrical Features

rated frequency:
0 Hz (direct current), and from 50 Hz to 500 Hz

rated operating voltage:
the standard identifies two main types of use:
- extra-low voltage socket-outlets (and relative plugs), (SELV safety requirements, in accordance with the CEI 64-8 installation standard), for effective voltage values of up to 50V inclusive
- low voltage socket-outlets (and plugs) for effective voltage values of over 50V and up to 690V

polarity:
the versions are designed with:
- 2 and 3 poles (extra-low voltage: 2P, 3P)
- 3, 4 and 5 poles (low voltage: 2P+⏚, 3P+⏚, 3P+N+⏚)

The 63A and 125A plugs and socket-outlets have an additional pilot contact.

rated current:
with 16A, 32A, 63A and 125A values (low voltage)
with 16A and 32A (extra-low voltage).

rated insulation voltage:
- **690V** for low voltage plugs and socket-outlets
- **50V** for extra-low voltage plugs and socket-outlets

minimum surface insulation distance: 10 mm (EN 60309-1)
minimum air insulation distance: 8 mm (for rated operating voltages higher than 500V)

breaking capacity:
1.25 times greater than the rated current value (test performed at a voltage of 1.1 times the operating voltage).

Mechanical features

- **mechanical resistance**
  verified with the provisions of Article 24 of the EN 60309-1 standard (IEC 60309-1)
- **resistance to chemical agents**
  see Table on page 8
- **degree of protection**
  IP44 and IP67 according to EN 60529 (see information on page 7)
- **resistance to glow-wire**
  in accordance with standard IEC 60695 -1-2: for enclosures: 960 °C, 850 °C and 750 °C;
  for inserts: 960 °C
- **temperatures**
  ambient: -25 °C ÷ +40 °C; materials limit: -40 °C ÷ +125 °C
- **self-extinguishing capacity**
  classification UL 94:
  for enclosures **V2** e **HB**;
  for 16A, 32A and 63A type inserts, **V2**;
  for types 125A, **5VA** e **V0**

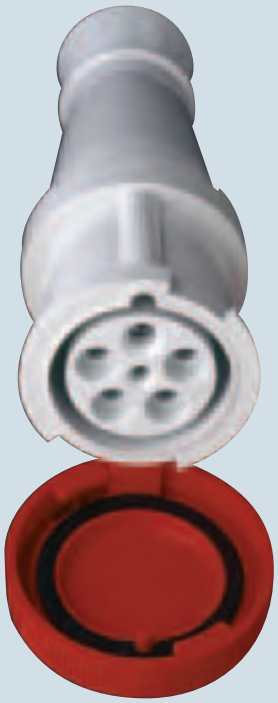
Materials

- enclosures and inserts in self-extinguishing insulting thermoplastic material
- anti-aging elastomer gaskets
- brass pins (nickel-plated for the 63A and 125A plugs and socket-outlets, on request for the 16A and 32A plugs and socket-outlets)
- self-centring brass contact tubes with zinc-plated steel spring
- zinc-plated steel assembly screws (stainless steel for the 63A and 125A socket-outlets)
- terminals with zinc-plated screws retained in their seats when unscrewed
- 32A, 63A and 125A plugs and socket-outlets with two fixing screws in the terminals as protection against accidental loss
- 63A and 125A plugs and socket-outlets terminals with zinc-plated steel plate for wire protection

The supply package

Plugs and socket-outlets are supplied with:
- anti-oil and anti-aging gaskets
- self-threading fixing screws

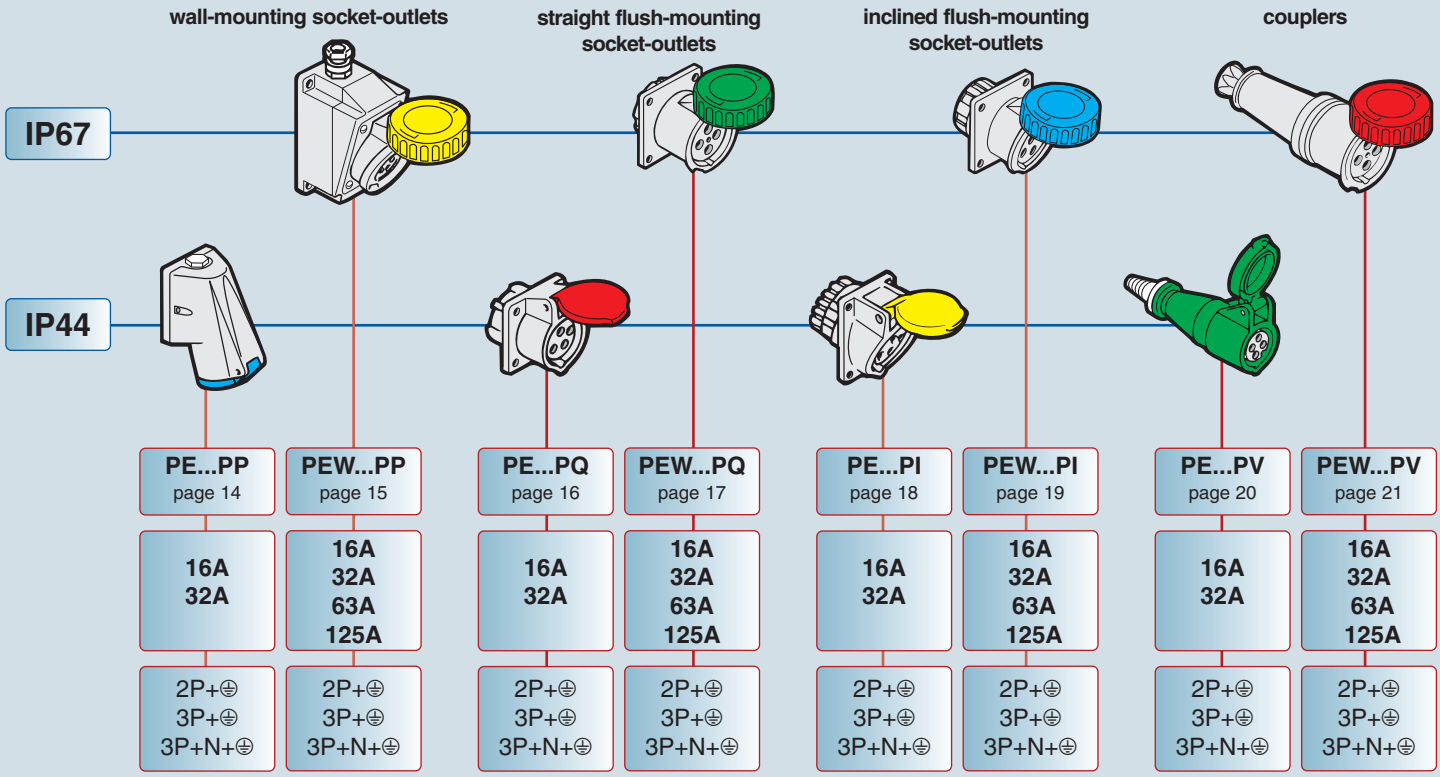
The following is available on request:
- cable glands, gaskets, lock nuts and sealing plugs for wall-mounting plugs and socket-outlets
- FM, FC and BK (types BC...) ILME enclosures for flush-mounting plugs and socket-outlets



Composition of the part No.: e.g. **PEW 125 12 3 PP** (low voltage)

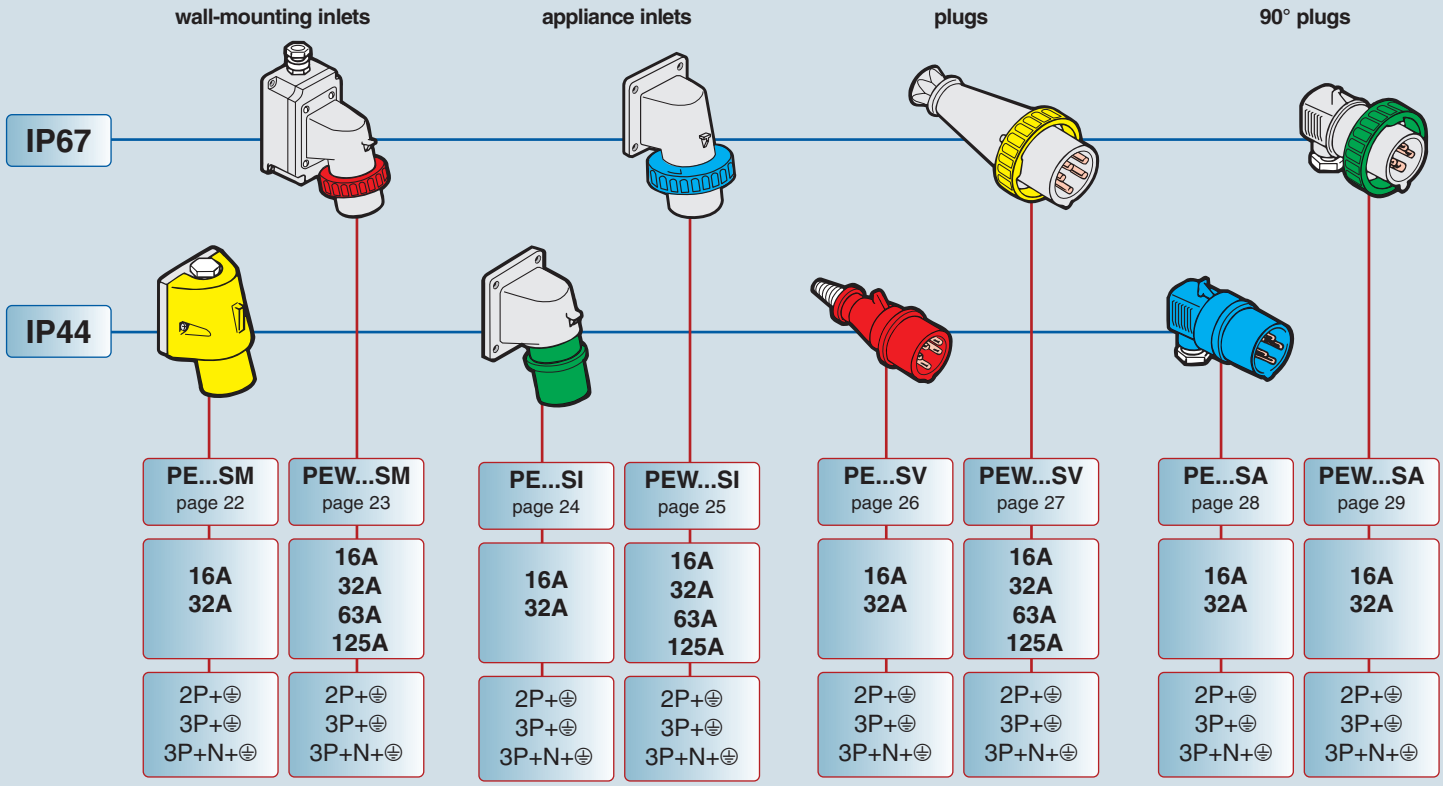
- PEW – article series
- 125 – rated current in amperes
- 12 – earthing contact position in hours
- 3 – number of poles + earth
- PP – design of plug or socket

PE (IP44) and PEW (IP67) socket-outlets and couplers — low voltage over 50V up to 690V



PE...PP page 14	PEW...PP page 15	PE...PQ page 16	PEW...PQ page 17	PE...PI page 18	PEW...PI page 19	PE...PV page 20	PEW...PV page 21
16A 32A	16A 32A 63A 125A	16A 32A	16A 32A 63A 125A	16A 32A	16A 32A 63A 125A	16A 32A	16A 32A 63A 125A
2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚

PE (IP44) and PEW (IP67) plugs — low voltage over 50V up to 690V

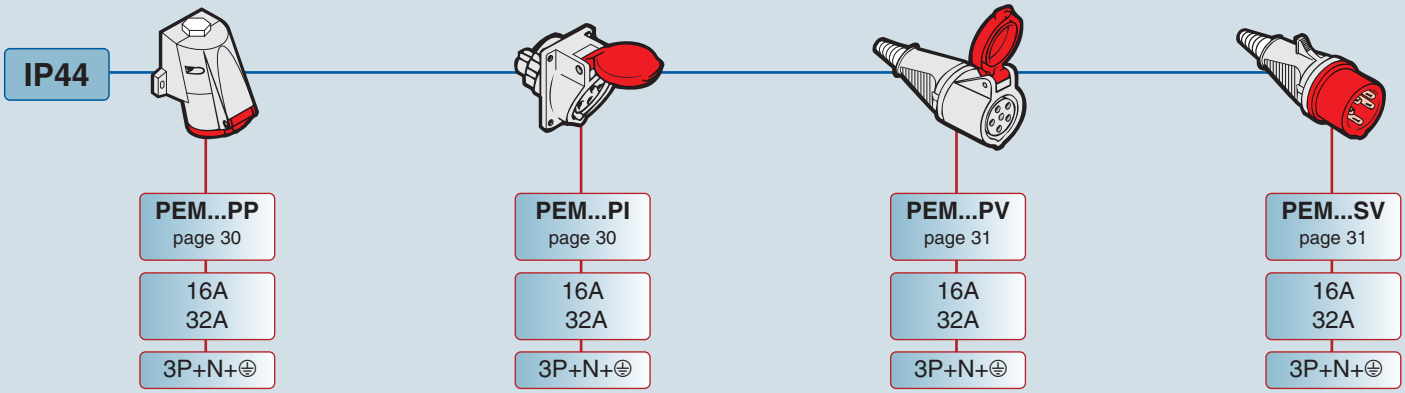


PE...SM page 22	PEW...SM page 23	PE...SI page 24	PEW...SI page 25	PE...SV page 26	PEW...SV page 27	PE...SA page 28	PEW...SA page 29
16A 32A	16A 32A 63A 125A	16A 32A	16A 32A 63A 125A	16A 32A	16A 32A 63A 125A	16A 32A	16A 32A
2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚	2P+⏚ 3P+⏚ 3P+N+⏚

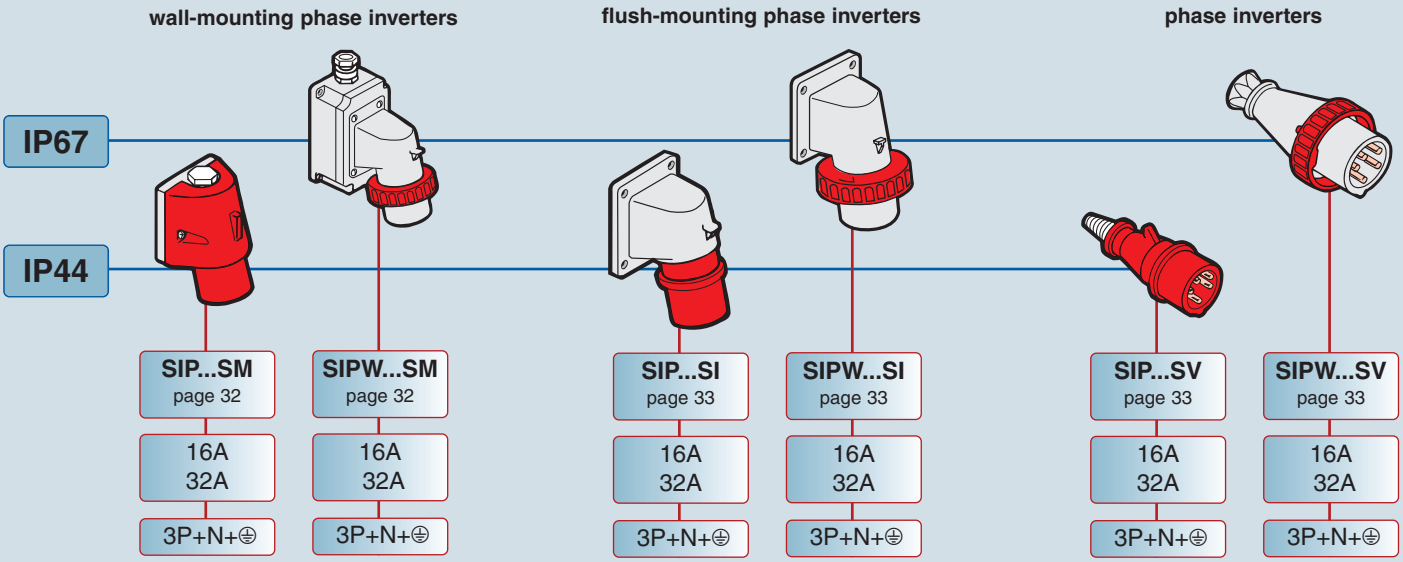
PLUSO plugs and socket-outlets for industrial purposes

Composition of the part No.: e.g. **PB 16 12 2 PV**
(extra-low voltage)
- article series
- rated current in amperes
- auxiliary reference in hours
- number of poles
- design of plug or socket

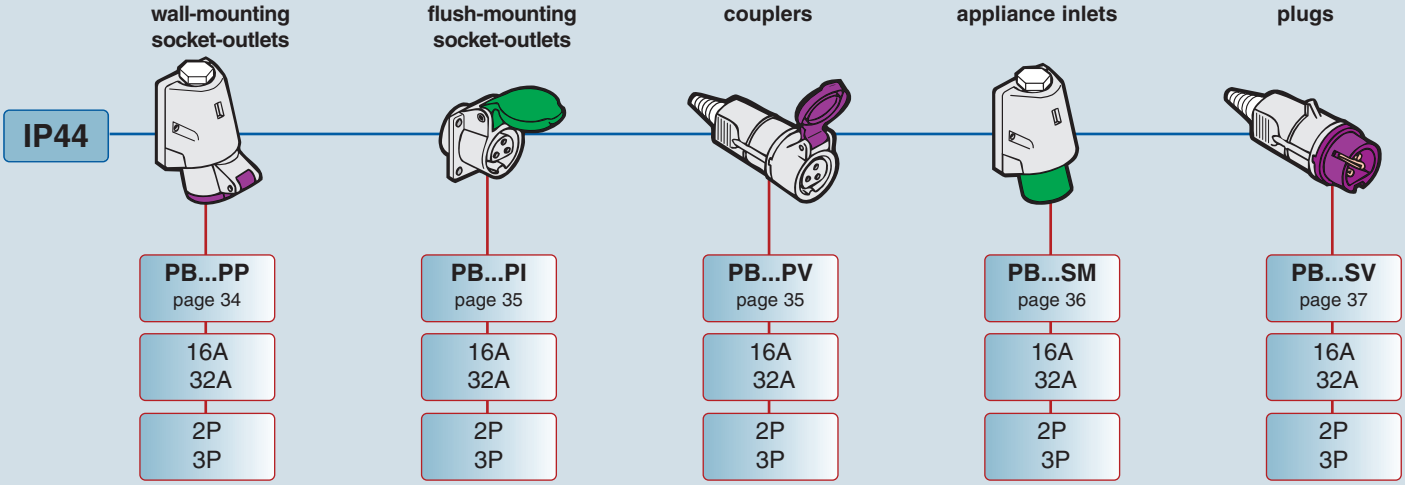
PEM single-block plugs, socket-outlets and couplers — low voltage over 200V up to 415V



phase inverters type SIP (IP44) and SIPW (IP67) — low voltage over 200V up to 415V



PB plugs and socket-outlets — extra-low voltage up to 50V



PE...PP wall-mounting socket-outlets, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and spring lid in insulating, thermoplastic, self-extinguishing material
- RAL 7035 grey enclosure, spring lid colour coded according to the operating voltage
- PE...PP types (IP44), spring lid, entry with threaded grommet (replaceable with a cable gland)
- PEW...PP types (IP67), spring lid with locking ring and gasket, entry with cable gland
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- 125A: with terminal block for the anchoring of incoming cables, already connected to socket
- IP44 and IP67 degree of protection (EN 60529)
- ⓘ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 PP** ⓘ		**PE 3243 PP** ⓘ	
	50 and 60	200 - 250	6	**PE 1663 PP** ⓘ		**PE 3263 PP** ⓘ	
	50 and 60	380 - 415	9	**PE 1693 PP** ⓘ		**PE 3293 PP** ⓘ	
	50 and 60	480 - 500	7	**PE 1673 PP** ⓘ		**PE 3273 PP** ⓘ	
	50 and 60	ins. transformer	12	**PE 16123 PP** ⓘ	A.V.	**PE 32123 PP** ⓘ	A.V.
	> 300 - 500	> 50	2	**PE 1623 PP** ⓘ	(*)	**PE 3223 PP** ⓘ	(*)
	d.c.	> 50 - 250	3	**PE 1633 PP** ⓘ	A.V.	**PE 3233 PP**	A.V.
	d.c.	> 250	8	**PE 1683 PP**	A.V.	**PE 3283 PP**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 PP** ⓘ		**PE 3244 PP** ⓘ	
	50 and 60	200 - 250	9	**PE 1694 PP** ⓘ		**PE 3294 PP** ⓘ	
	50 and 60	380 - 415	6	**PE 1664 PP** ⓘ		**PE 3264 PP** ⓘ	
	60	440 - 460	11	**PE 16114 PP** ⓘ		**PE 32114 PP** ⓘ	
	50 and 60	480 - 500	7	**PE 1674 PP** ⓘ		**PE 3274 PP** ⓘ	
	50 and 60	600 - 690	5	**PE 1654 PP**		**PE 3254 PP**	
	50	380	3	**PE 1634 PP** ⓘ		**PE 3234 PP** ⓘ	
	60	440	3	**PE 1634 PP** ⓘ		**PE 3234 PP** ⓘ	
	100 - 300	> 50	10	**PE 16104 PP** ⓘ	(*)	**PE 32104 PP** ⓘ	(*)
	> 300 - 500	> 50	2	**PE 1624 PP** ⓘ	(*)	**PE 3224 PP** ⓘ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 PP** ⓘ		**PE 3245 PP** ⓘ	
	50 and 60	120/208 - 144/250	9	**PE 1695 PP** ⓘ		**PE 3295 PP** ⓘ	
	50 and 60	200/346 - 240/415	6	**PE 1665 PP** ⓘ		**PE 3265 PP** ⓘ	
	50 and 60	277/480 - 288/500	7	**PE 1675 PP** ⓘ		**PE 3275 PP** ⓘ	
	50 and 60	347/600 - 400/690	5	**PE 1655 PP**		**PE 3255 PP**	
	60	250/400 - 265/460	11	**PE 16115 PP** ⓘ		**PE 32115 PP** ⓘ	
	50	220/380	3	**PE 1635 PP** ⓘ		**PE 3235 PP** ⓘ	
	60	250/440	3	**PE 1635 PP** ⓘ		**PE 3235 PP** ⓘ	
	> 300 - 500	> 50	2	**PE 1625 PP** ⓘ	(*)	**PE 3225 PP** ⓘ	(*)

Legend

A.V. = Colour according to voltage

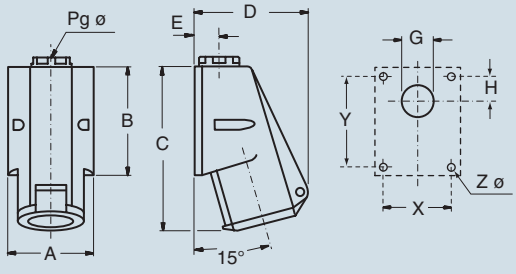
(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... PP



PE ... PP		A	B	C	D	E	G	H	X	Y	Pg ø	Z ø
16A	2P+⏚	70	82	126	92	20	Ø22	16	53	65	16	4.5
	3P+⏚	70	82	126	92	20	Ø22	16	53	65	16	4.5
	3P+N+⏚	70	82	126	99	13	Ø22	16	53	65	16	4.5
32A	2P+⏚	86	104	159	110	24	Ø28	17	61	79	21	6.5
	3P+⏚	86	104	159	110	24	Ø28	17	61	79	21	6.5
	3P+N+⏚	86	104	159	110	24	Ø28	17	61	79	21	6.5

PEW...PP wall-mounting socket-outlets, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 PP	
PEW 1663 PP	
PEW 1693 PP	
PEW 1673 PP	
PEW 16123 PP	A.V.
PEW 1623 PP	(*)
PEW 1633 PP	A.V.
PEW 1683 PP	A.V.
PEW 1644 PP	
PEW 1694 PP	
PEW 1664 PP	
PEW 16114 PP	
PEW 1674 PP	
PEW 1654 PP	
PEW 1634 PP	
PEW 1634 PP	
PEW 16104 PP	(*)
PEW 1624 PP	(*)
PEW 1645 PP	
PEW 1695 PP	
PEW 1665 PP	
PEW 1675 PP	
PEW 1655 PP	
PEW 16115 PP	
PEW 1635 PP	
PEW 1635 PP	
PEW 1625 PP	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 PP	
PEW 3263 PP	
PEW 3293 PP	
PEW 3273 PP	
PEW 32123 PP	A.V.
PEW 3223 PP	(*)
PEW 3233 PP	A.V.
PEW 3283 PP	A.V.
PEW 3244 PP	
PEW 3294 PP	
PEW 3264 PP	
PEW 32114 PP	
PEW 3274 PP	
PEW 3254 PP	
PEW 3234 PP	
PEW 3234 PP	
PEW 32104 PP	(*)
PEW 3224 PP	(*)
PEW 3245 PP	
PEW 3295 PP	
PEW 3265 PP	
PEW 3275 PP	
PEW 3255 PP	
PEW 32115 PP	
PEW 3235 PP	
PEW 3235 PP	
PEW 3225 PP	(*)

63A
IP67 degree of protection

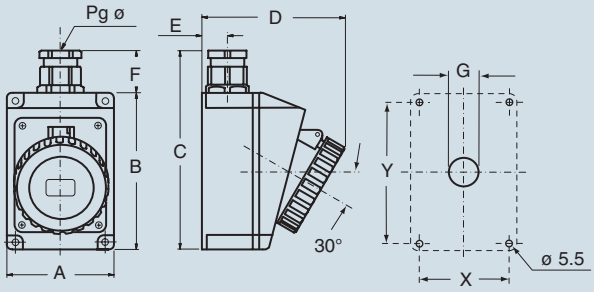
Part No.	Colour
PEW 6343 PP	
PEW 6363 PP	
PEW 6393 PP	
PEW 6373 PP	
PEW 63123 PP	A.V.
PEW 6333 PP	A.V.
PEW 6383 PP	A.V.
PEW 6344 PP	
PEW 6394 PP	
PEW 6364 PP	
PEW 63114 PP	
PEW 6374 PP	
PEW 6354 PP	
PEW 6345 PP	
PEW 6395 PP	
PEW 6365 PP	
PEW 6375 PP	
PEW 6355 PP	
PEW 63115 PP	

125A
IP67 degree of protection

Part No.	Colour
PEW 12543 PP	
PEW 12563 PP	
PEW 12593 PP	
PEW 12573 PP	
PEW 125123 PP	A.V.
PEW 12533 PP	A.V.
PEW 12583 PP	A.V.
PEW 12544 PP	
PEW 12594 PP	
PEW 12564 PP	
PEW 125114 PP	
PEW 12574 PP	
PEW 12554 PP	
PEW 12545 PP	
PEW 12595 PP	
PEW 12565 PP	
PEW 12575 PP	
PEW 12555 PP	
PEW 125115 PP	

Dimensions in mm

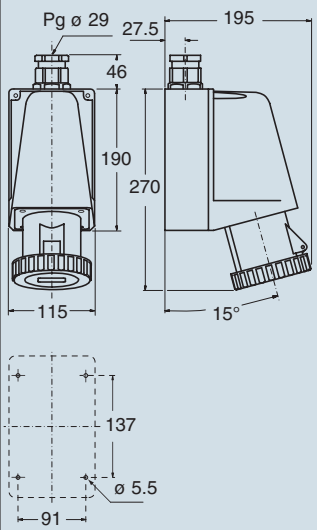
(16 / 32A) PEW ... PP



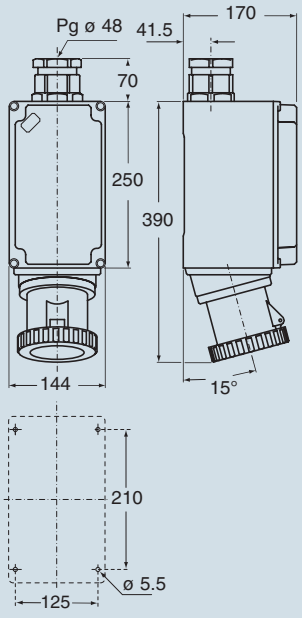
PEW ... PP		A	B	C	D	E	F	G	X	Y	Pg ø
16A	2P+⏚	75	115	150	105	19	33	Ø22	65	105	16
	3P+⏚	75	115	150	108	19	33	Ø22	65	105	16
	3P+N+⏚	100	130	172	120	22	33	Ø22	85	115	21
32A	2P+⏚	100	130	172	120	22	42	Ø28	85	115	21
	3P+⏚	100	130	172	120	22	42	Ø28	85	115	21
	3P+N+⏚	100	130	172	120	22	42	Ø28	85	115	21

Dimensions in mm

(63A) PEW ... PP



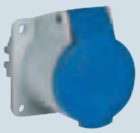
(125A) PEW ... PP



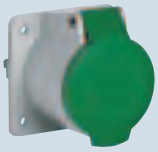
PE...PQ flush-mounting straight socket-outlets, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and spring lid in insulating, thermoplastic, self-extinguishing material
- RAL 7035 grey enclosure, spring lid colour coded according to the operating voltage
- Flange with anti-ageing gasket
- PE...PQ types (IP44), spring lid
- PEW...PQ types (IP67), spring lid with locking ring and gasket
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- IP44 and IP67 degrees of protection (EN 60529)
- ♆ With Italian Quality Mark

16A
IP44 degree of protection



32A
IP44 degree of protection



Poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 PQ ♆**		**PE 3243 PQ ♆**	
	50 and 60	200 - 250	6	**PE 1663 PQ ♆**		**PE 3263 PQ ♆**	
	50 and 60	380 - 415	9	**PE 1693 PQ ♆**		**PE 3293 PQ ♆**	
	50 and 60	480 - 500	7	**PE 1673 PQ ♆**		**PE 3273 PQ ♆**	
	50 and 60	ins. transformer	12	**PE 16123 PQ ♆**	A.V.	**PE 32123 PQ ♆**	A.V.
	> 300 - 500	> 50	2	**PE 1623 PQ ♆**	(*)	**PE 3223 PQ ♆**	(*)
	d.c.	> 50 - 250	3	**PE 1633 PQ ♆**	A.V.	**PE 3233 PQ**	A.V.
	d.c.	> 250	8	**PE 1683 PQ**	A.V.	**PE 3283 PQ**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 PQ ♆**		**PE 3244 PQ ♆**	
	50 and 60	200 - 250	9	**PE 1694 PQ ♆**		**PE 3294 PQ ♆**	
	50 and 60	380 - 415	6	**PE 1664 PQ ♆**		**PE 3264 PQ ♆**	
	60	440 - 460	11	**PE 16114 PQ ♆**		**PE 32114 PQ ♆**	
	50 and 60	480 - 500	7	**PE 1674 PQ ♆**		**PE 3274 PQ ♆**	
	50 and 60	600 - 690	5	**PE 1654 PQ**		**PE 3254 PQ**	
	50	380	3	**PE 1634 PQ ♆**		**PE 3234 PQ ♆**	
	60	440	3	**PE 1634 PQ ♆**		**PE 3234 PQ ♆**	
	100 - 300	> 50	10	**PE 16104 PQ ♆**	(*)	**PE 32104 PQ ♆**	(*)
	> 300 - 500	> 50	2	**PE 1624 PQ ♆**	(*)	**PE 3224 PQ ♆**	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 PQ ♆**		**PE 3245 PQ ♆**	
	50 and 60	120/208 - 144/250	9	**PE 1695 PQ ♆**		**PE 3295 PQ ♆**	
	50 and 60	200/346 - 240/415	6	**PE 1665 PQ ♆**		**PE 3265 PQ ♆**	
	50 and 60	277/480 - 288/500	7	**PE 1675 PQ ♆**		**PE 3275 PQ ♆**	
	50 and 60	347/600 - 400/690	5	**PE 1655 PQ**		**PE 3255 PQ**	
	60	250/440 - 265/460	11	**PE 16115 PQ ♆**		**PE 32115 PQ ♆**	
	50	220/380	3	**PE 1635 PQ ♆**		**PE 3235 PQ ♆**	
	60	250/440	3	**PE 1635 PQ ♆**		**PE 3235 PQ ♆**	
	> 300 - 500	> 50	2	**PE 1625 PQ ♆**	(*)	**PE 3225 PQ ♆**	(*)

Legend

A.V. = Colour according to voltage

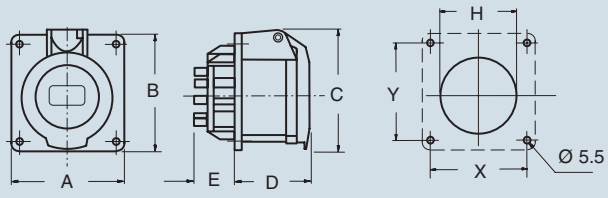
(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... PQ



PE...PQ		A	B	C	D	E	H	X	Y
16A	2P+⏚	65	65	71	52	27	60	52	52
	3P+⏚	65	65	75	53	27	61.5	52	52
	3P+N+⏚	80	80	86	53	27	70	60	60
32A	2P+⏚	80	80	87	62	28	68	60	60
	3P+⏚	80	80	87	62	28	68	60	60
	3P+N+⏚	80	80	92	62	28	73	60	60

PEW...PQ flush-mounting straight socket-outlets, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 PQ	
PEW 1663 PQ	
PEW 1693 PQ	
PEW 1673 PQ	
PEW 16123 PQ	A.V.
PEW 1623 PQ	(*)
PEW 1633 PQ	A.V.
PEW 1683 PQ	A.V.
PEW 1644 PQ	
PEW 1694 PQ	
PEW 1664 PQ	
PEW 16114 PQ	
PEW 1674 PQ	
PEW 1654 PQ	
PEW 1634 PQ	
PEW 1634 PQ	
PEW 16104 PQ	(*)
PEW 1624 PQ	(*)
PEW 1645 PQ	
PEW 1695 PQ	
PEW 1665 PQ	
PEW 1675 PQ	
PEW 1655 PQ	
PEW 16115 PQ	
PEW 1635 PQ	
PEW 1635 PQ	
PEW 1625 PQ	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 PQ	
PEW 3263 PQ	
PEW 3293 PQ	
PEW 3273 PQ	
PEW 32123 PQ	A.V.
PEW 3223 PQ	(*)
PEW 3233 PQ	A.V.
PEW 3283 PQ	A.V.
PEW 3244 PQ	
PEW 3294 PQ	
PEW 3264 PQ	
PEW 32114 PQ	
PEW 3274 PQ	
PEW 3254 PQ	
PEW 3234 PQ	
PEW 3234 PQ	
PEW 32104 PQ	(*)
PEW 3224 PQ	(*)
PEW 3245 PQ	
PEW 3295 PQ	
PEW 3265 PQ	
PEW 3275 PQ	
PEW 3255 PQ	
PEW 32115 PQ	
PEW 3235 PQ	
PEW 3235 PQ	
PEW 3225 PQ	(*)

63A
IP67 degree of protection

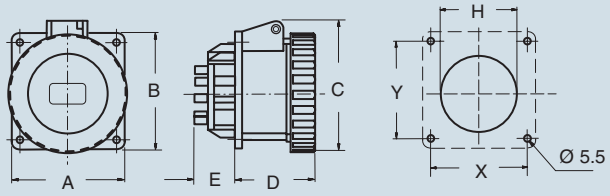
Part No.	Colour
PEW 6343 PQ	
PEW 6363 PQ	
PEW 6393 PQ	
PEW 6373 PQ	
PEW 63123 PQ	A.V.
PEW 6333 PQ	A.V.
PEW 6383 PQ	A.V.
PEW 6344 PQ	
PEW 6394 PQ	
PEW 6364 PQ	
PEW 63114 PQ	
PEW 6374 PQ	
PEW 6354 PQ	
PEW 6345 PQ	
PEW 6395 PQ	
PEW 6365 PQ	
PEW 6375 PQ	
PEW 6355 PQ	
PEW 63115 PQ	

125A
IP67 degree of protection

Part No.	Colour
PEW 12543 PQ	
PEW 12563 PQ	
PEW 12593 PQ	
PEW 12573 PQ	
PEW 125123 PQ	A.V.
PEW 12533 PQ	A.V.
PEW 12583 PQ	A.V.
PEW 12544 PQ	
PEW 12594 PQ	
PEW 12564 PQ	
PEW 125114 PQ	
PEW 12574 PQ	
PEW 12554 PQ	
PEW 12545 PQ	
PEW 12595 PQ	
PEW 12565 PQ	
PEW 12575 PQ	
PEW 12555 PQ	
PEW 125115 PQ	

Dimensions in mm

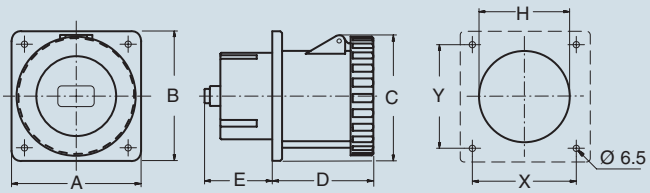
(16 / 32A) PEW ... PQ



PEW...PQ		A	B	C	D	E	H	X	Y
16A	2P+⊕	65	65	77	52	27	60	52	52
	3P+⊕	65	65	85	52	27	61.5	52	52
	3P+N+⊕	80	80	93	52	27	70	60	60
32A	2P+⊕	80	80	98	62	28	68	60	60
	3P+⊕	80	80	98	62	28	68	60	60
	3P+N+⊕	80	80	105	62	28	73	60	60

Dimensions in mm

(63 / 125A) PEW ... PQ



PEW ... PQ		A	B	C	D	E	H	X	Y
63A	2P+⊕	100	107	109	92	30	73	77	85
	3P+⊕	100	107	109	92	30	73	77	85
	3P+N+⊕	100	107	109	92	30	73	77	85
125A	2P+⊕	130	130	130	101	68	91	104	104
	3P+⊕	130	130	130	101	68	91	104	104
	3P+N+⊕	130	130	130	101	68	91	104	104

PE...PI flush-mounting inclined socket-outlets, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and spring lid in insulating, thermoplastic, self-extinguishing material
- RAL 7035 grey enclosure, spring lid colour coded according to the operating voltage
- Flange with anti-ageing gasket
- PE...PI types (IP44), spring lid
- PEW...PI types (IP67), spring lid with locking ring and gasket
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- IP44 and IP67 degrees of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 PI** ⓜ		**PE 3243 PI** ⓜ	
	50 and 60	200 - 250	6	**PE 1663 PI** ⓜ		**PE 3263 PI** ⓜ	
	50 and 60	380 - 415	9	**PE 1693 PI** ⓜ		**PE 3293 PI** ⓜ	
	50 and 60	480 - 500	7	**PE 1673 PI** ⓜ		**PE 3273 PI** ⓜ	
	50 and 60	ins. transformer	12	**PE 16123 PI** ⓜ	A.V.	**PE 32123 PI** ⓜ	A.V.
	> 300 - 500	> 50	2	**PE 1623 PI** ⓜ	(*)	**PE 3223 PI** ⓜ	(*)
	d.c.	> 50 - 250	3	**PE 1633 PI** ⓜ	A.V.	**PE 3233 PI**	A.V.
	d.c.	> 250	8	**PE 1683 PI**	A.V.	**PE 3283 PI**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 PI** ⓜ		**PE 3244 PI** ⓜ	
	50 and 60	200 - 250	9	**PE 1694 PI** ⓜ		**PE 3294 PI** ⓜ	
	50 and 60	380 - 415	6	**PE 1664 PI** ⓜ		**PE 3264 PI** ⓜ	
	60	440 - 460	11	**PE 16114 PI** ⓜ		**PE 32114 PI** ⓜ	
	50 and 60	480 - 500	7	**PE 1674 PI** ⓜ		**PE 3274 PI** ⓜ	
	50 and 60	600 - 690	5	**PE 1654 PI**		**PE 3254 PI**	
	50	380	3	**PE 1634 PI** ⓜ		**PE 3234 PI** ⓜ	
	60	440	3	**PE 1634 PI** ⓜ		**PE 3234 PI** ⓜ	
	100 - 300	> 50	10	**PE 16104 PI** ⓜ	(*)	**PE 32104 PI** ⓜ	(*)
	> 300 - 500	> 50	2	**PE 1624 PI** ⓜ	(*)	**PE 3224 PI** ⓜ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 PI** ⓜ		**PE 3245 PI** ⓜ	
	50 and 60	120/208 - 144/250	9	**PE 1695 PI** ⓜ		**PE 3295 PI** ⓜ	
	50 and 60	200/346 - 240/415	6	**PE 1665 PI** ⓜ		**PE 3265 PI** ⓜ	
	50 and 60	277/480 - 288/500	7	**PE 1675 PI** ⓜ		**PE 3275 PI** ⓜ	
	50 and 60	347/600 - 400/690	5	**PE 1655 PI**		**PE 3255 PI**	
	60	250/440 - 265/460	11	**PE 16115 PI** ⓜ		**PE 32115 PI** ⓜ	
	50	220/380	3	**PE 1635 PI** ⓜ		**PE 3235 PI** ⓜ	
	60	250/440	3	**PE 1635 PI** ⓜ		**PE 3235 PI** ⓜ	
	> 300 - 500	> 50	2	**PE 1625 PI** ⓜ	(*)	**PE 3225 PI** ⓜ	(*)

Legend

A.V. = Colour according to voltage

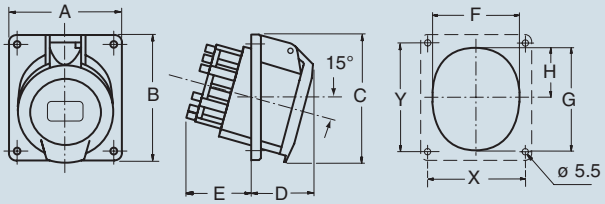
(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... PI



PE ... PI		A	B	C	D	E	F	G	H	X	Y
16A	2P+⏚	64	82	82	38	46	52	62	30	52	60
	3P+⏚	64	82	82	42	47	57	65	28	52	60
	3P+N+⏚	92	100	100	43	47	66	78	37.5	77	85
32A	2P+⏚	92	100	100	40	55	68	76	35.5	77	85
	3P+⏚	92	100	100	40	55	68	76	35.5	77	85
	3P+N+⏚	92	102	102	43	55	74	86	39.5	77	85

PEW...PI flush-mounting inclined socket-outlets, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 PI	
PEW 1663 PI	
PEW 1693 PI	
PEW 1673 PI	
PEW 16123 PI	A.V.
PEW 1623 PI	(*)
PEW 1633 PI	A.V.
PEW 1683 PI	A.V.
PEW 1644 PI	
PEW 1694 PI	
PEW 1664 PI	
PEW 16114 PI	
PEW 1674 PI	
PEW 1654 PI	
PEW 1634 PI	
PEW 1634 PI	
PEW 16104 PI	(*)
PEW 1624 PI	(*)
PEW 1645 PI	
PEW 1695 PI	
PEW 1665 PI	
PEW 1675 PI	
PEW 1655 PI	
PEW 16115 PI	
PEW 1635 PI	
PEW 1635 PI	
PEW 1625 PI	(*)

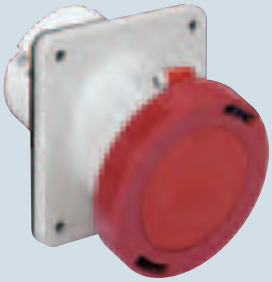
32A
IP67 degree of protection

Part No.	Colour
PEW 3243 PI	
PEW 3263 PI	
PEW 3293 PI	
PEW 3273 PI	
PEW 32123 PI	A.V.
PEW 3223 PI	(*)
PEW 3233 PI	A.V.
PEW 3283 PI	A.V.
PEW 3244 PI	
PEW 3294 PI	
PEW 3264 PI	
PEW 32114 PI	
PEW 3274 PI	
PEW 3254 PI	
PEW 3234 PI	
PEW 3234 PI	
PEW 32104 PI	(*)
PEW 3224 PI	(*)
PEW 3245 PI	
PEW 3295 PI	
PEW 3265 PI	
PEW 3275 PI	
PEW 3255 PI	
PEW 32115 PI	
PEW 3235 PI	
PEW 3235 PI	
PEW 3225 PI	(*)

63A
IP67 degree of protection

Part No.	Colour
PEW 6343 PI	
PEW 6363 PI	
PEW 6393 PI	
PEW 6373 PI	
PEW 63123 PI	A.V.
PEW 6333 PI	A.V.
PEW 6383 PI	A.V.
PEW 6344 PI	
PEW 6394 PI	
PEW 6364 PI	
PEW 63114 PI	
PEW 6374 PI	
PEW 6354 PI	
PEW 6345 PI	
PEW 6395 PI	
PEW 6365 PI	
PEW 6375 PI	
PEW 6355 PI	
PEW 63115 PI	

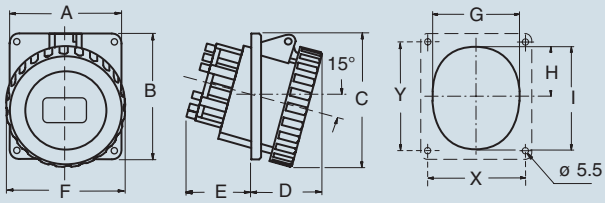
125A
IP67 degree of protection



Part No.	Colour
PEW 12543 PI	
PEW 12563 PI	
PEW 12593 PI	
PEW 12573 PI	
PEW 125123 PI	A.V.
PEW 12533 PI	A.V.
PEW 12583 PI	A.V.
PEW 12544 PI	
PEW 12594 PI	
PEW 12564 PI	
PEW 125114 PI	
PEW 12574 PI	
PEW 12554 PI	
PEW 12545 PI	
PEW 12595 PI	
PEW 12565 PI	
PEW 12575 PI	
PEW 12555 PI	
PEW 125115 PI	

Dimensions in mm

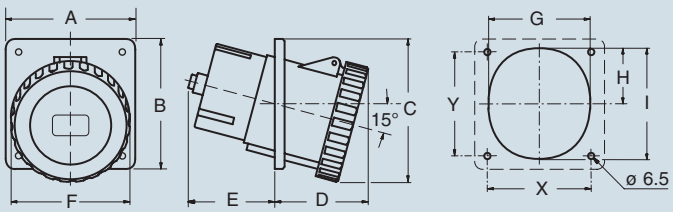
(16 / 32A) PEW ... PI



PEW ... PI		A	B	C	D	E	F	G	H	I	X	Y
16A	2P+⏚	65	82	83	48	35	70	50	29	58	52	60
	3P+⏚	65	82	87	48	37	78	58	30	65	52	60
	3P+N+⏚	90	100	102	50	38	86	66	35	75	77	85
32A	2P+⏚	90	100	116	50	50	92	68	37	78	77	85
	3P+⏚	90	100	116	50	50	92	68	37	78	77	85
	3P+N+⏚	90	100	118	50	50	100	73	42.5	86	77	85

Dimensions in mm

(63 / 125A) PEW ... PI



PEW ... PI		A	B	C	D	E	F	G	H	I	X	Y
63A	2P+⏚	100	107	124	84	55	107	82	45	94	77	85
	3P+⏚	100	107	124	84	55	107	82	45	94	77	85
	3P+N+⏚	100	107	124	84	55	107	82	45	94	77	85
125A	2P+⏚	130	130	143	94	87	119	102	56	112	104	104
	3P+⏚	130	130	143	94	87	119	102	56	112	104	104
	3P+N+⏚	130	130	143	94	87	119	102	56	112	104	104

PE...PV coupler socket-outlets, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and spring lid in insulating, thermoplastic, self-extinguishing material
- Cable anchoring collar incorporated in the insert
- PE...PV types (IP44), enclosure and spring lid colour coded according to operating voltage, entry with grommet
- PEW...PV (IP67) types, RAL 7035 grey enclosure, spring lid with locking ring and gasket colour coded according to operating voltage, entry with cable gland
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- IP44 and IP67 degrees of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 PV** ⓜ		**PE 3243 PV** ⓜ	
	50 and 60	200 - 250	6	**PE 1663 PV** ⓜ		**PE 3263 PV** ⓜ	
	50 and 60	380 - 415	9	**PE 1693 PV** ⓜ		**PE 3293 PV** ⓜ	
	50 and 60	480 - 500	7	**PE 1673 PV** ⓜ		**PE 3273 PV** ⓜ	
	50 and 60	ins. transformer	12	**PE 16123 PV** ⓜ	A.V.	**PE 32123 PV** ⓜ	A.V.
	> 300 - 500	> 50	2	**PE 1623 PV** ⓜ	(*)	**PE 3223 PV** ⓜ	(*)
	d.c.	> 50 - 250	3	**PE 1633 PV** ⓜ	A.V.	**PE 3233 PV**	A.V.
	d.c.	> 250	8	**PE 1683 PV**	A.V.	**PE 3283 PV**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 PV** ⓜ		**PE 3244 PV** ⓜ	
	50 and 60	200 - 250	9	**PE 1694 PV** ⓜ		**PE 3294 PV** ⓜ	
	50 and 60	380 - 415	6	**PE 1664 PV** ⓜ		**PE 3264 PV** ⓜ	
	60	440 - 460	11	**PE 16114 PV** ⓜ		**PE 32114 PV** ⓜ	
	50 and 60	480 - 500	7	**PE 1674 PV** ⓜ		**PE 3274 PV** ⓜ	
	50 and 60	600 - 690	5	**PE 1654 PV**		**PE 3254 PV**	
	50	380	3	**PE 1634 PV** ⓜ		**PE 3234 PV** ⓜ	
	60	440	3	**PE 1634 PV** ⓜ		**PE 3234 PV** ⓜ	
	100 - 300	> 50	10	**PE 16104 PV** ⓜ	(*)	**PE 32104 PV** ⓜ	(*)
	> 300 - 500	> 50	2	**PE 1624 PV** ⓜ	(*)	**PE 3224 PV** ⓜ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 PV** ⓜ		**PE 3245 PV** ⓜ	
	50 and 60	120/208 - 144/250	9	**PE 1695 PV** ⓜ		**PE 3295 PV** ⓜ	
	50 and 60	200/346 - 240/415	6	**PE 1665 PV** ⓜ		**PE 3265 PV** ⓜ	
	50 and 60	277/480 - 288/500	7	**PE 1675 PV** ⓜ		**PE 3275 PV** ⓜ	
	50 and 60	347/600 - 400/690	5	**PE 1655 PV**		**PE 3255 PV**	
	60	250/440 - 265/460	11	**PE 16115 PV** ⓜ		**PE 32115 PV** ⓜ	
	50	220/380	3	**PE 1635 PV** ⓜ		**PE 3235 PV** ⓜ	
	60	250/440	3	**PE 1635 PV** ⓜ		**PE 3235 PV** ⓜ	
	> 300 - 500	> 50	2	**PE 1625 PV** ⓜ	(*)	**PE 3225 PV** ⓜ	(*)

Legend

A.V. = Colour according to voltage

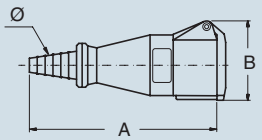
(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... PV



PE...PV		A	B	ø min	ø max
16A	2P+⏚	157.5	68	7	17
	3P+⏚	164.5	76	7	17
	3P+N+⏚	183.5	83	9	22
32A	2P+⏚	200.5	87	9	22
	3P+⏚	200.5	87	9	22
	3P+N+⏚	200.5	91	9	22

PEW...PV coupler socket-outlets, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 PV	
PEW 1663 PV	
PEW 1693 PV	
PEW 1673 PV	
PEW 16123 PV	A.V.
PEW 1623 PV	(*)
PEW 1633 PV	A.V.
PEW 1683 PV	A.V.
PEW 1644 PV	
PEW 1694 PV	
PEW 1664 PV	
PEW 16114 PV	
PEW 1674 PV	
PEW 1654 PV	
PEW 1634 PV	
PEW 1634 PV	
PEW 16104 PV	(*)
PEW 1624 PV	(*)
PEW 1645 PV	
PEW 1695 PV	
PEW 1665 PV	
PEW 1675 PV	
PEW 1655 PV	
PEW 16115 PV	
PEW 1635 PV	
PEW 1635 PV	
PEW 1625 PV	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 PV	
PEW 3263 PV	
PEW 3293 PV	
PEW 3273 PV	
PEW 32123 PV	A.V.
PEW 3223 PV	(*)
PEW 3233 PV	A.V.
PEW 3283 PV	A.V.
PEW 3244 PV	
PEW 3294 PV	
PEW 3264 PV	
PEW 32114 PV	
PEW 3274 PV	
PEW 3254 PV	
PEW 3234 PV	
PEW 3234 PV	
PEW 32104 PV	(*)
PEW 3224 PV	(*)
PEW 3245 PV	
PEW 3295 PV	
PEW 3265 PV	
PEW 3275 PV	
PEW 3255 PV	
PEW 32115 PV	
PEW 3235 PV	
PEW 3235 PV	
PEW 3225 PV	(*)

63A
IP67 degree of protection

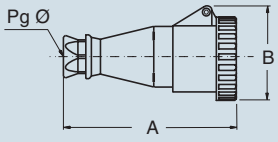
Part No.	Colour
PEW 6343 PV	
PEW 6363 PV	
PEW 6393 PV	
PEW 6373 PV	
PEW 63123 PV	A.V.
PEW 6333 PV	A.V.
PEW 6383 PV	A.V.
PEW 6344 PV	
PEW 6394 PV	
PEW 6364 PV	
PEW 63114 PV	
PEW 6374 PV	
PEW 6354 PV	
PEW 6345 PV	
PEW 6395 PV	
PEW 6365 PV	
PEW 6375 PV	
PEW 6355 PV	
PEW 63115 PV	

125A
IP67 degree of protection

Part No.	Colour
PEW 12543 PV	
PEW 12563 PV	
PEW 12593 PV	
PEW 12573 PV	
PEW 125123 PV	A.V.
PEW 12533 PV	A.V.
PEW 12583 PV	A.V.
PEW 12544 PV	
PEW 12594 PV	
PEW 12564 PV	
PEW 125114 PV	
PEW 12574 PV	
PEW 12554 PV	
PEW 12545 PV	
PEW 12595 PV	
PEW 12565 PV	
PEW 12575 PV	
PEW 12555 PV	
PEW 125115 PV	

Dimensions in mm

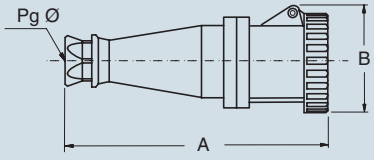
(16 / 32A) PEW ... PV



PEW...PV		A	B	Pg ø
16A	2P+⏚	153	77	16
	3P+⏚	158	85	16
	3P+N+⏚	166	93	21
32A	2P+⏚	183	98	21
	3P+⏚	183	98	21
	3P+N+⏚	188	105	21

Dimensions in mm

(63 / 125A) PEW ... PV



PEW...PV		A	B	Pg ø
63A	2P+⏚	277	108.5	36
	3P+⏚	277	108.5	36
	3P+N+⏚	277	108.5	36
125A	2P+⏚	324	120.5	2" gas
	3P+⏚	324	120.5	2" gas
	3P+N+⏚	324	120.5	2" gas

PE...SM wall-mounting plugs, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and locking ring in insulating, thermoplastic, self-extinguishing material
- PE...SM types (IP44), enclosure colour coded according to operating voltage, top entry with threaded grommet (replaceable with cable gland)
- PEW...SM types (IP67), RAL 7035 grey enclosure, locking ring with gasket colour coded according to operating voltage, top entry with cable gland
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- 125A: with terminal block for the anchoring of incoming cables, already connected to socket
- IP44 and IP67 degrees of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 SM** ⓜ		**PE 3243 SM** ⓜ	
	50 and 60	200 - 250	6	**PE 1663 SM** ⓜ		**PE 3263 SM** ⓜ	
	50 and 60	380 - 415	9	**PE 1693 SM** ⓜ		**PE 3293 SM** ⓜ	
	50 and 60	480 - 500	7	**PE 1673 SM** ⓜ		**PE 3273 SM** ⓜ	
	50 and 60	ins. transformer	12	**PE 16123 SM** ⓜ	A.V.	**PE 32123 SM** ⓜ	A.V.
	> 300 - 500	> 50	2	**PE 1623 SM** ⓜ	(*)	**PE 3223 SM** ⓜ	(*)
	d.c.	> 50 - 250	3	**PE 1633 SM** ⓜ	A.V.	**PE 3233 SM**	A.V.
	d.c.	> 250	8	**PE 1683 SM**	A.V.	**PE 3283 SM**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 SM** ⓜ		**PE 3244 SM** ⓜ	
	50 and 60	200 - 250	9	**PE 1694 SM** ⓜ		**PE 3294 SM** ⓜ	
	50 and 60	380 - 415	6	**PE 1664 SM** ⓜ		**PE 3264 SM** ⓜ	
	60	440 - 460	11	**PE 16114 SM** ⓜ		**PE 32114 SM** ⓜ	
	50 and 60	480 - 500	7	**PE 1674 SM** ⓜ		**PE 3274 SM** ⓜ	
	50 and 60	600 - 690	5	**PE 1654 SM**		**PE 3254 SM**	
	50	380	3	**PE 1634 SM** ⓜ		**PE 3234 SM** ⓜ	
	60	440	3	**PE 1634 SM** ⓜ		**PE 3234 SM** ⓜ	
	100 - 300	> 50	10	**PE 16104 SM** ⓜ	(*)	**PE 32104 SM** ⓜ	(*)
	> 300 - 500	> 50	2	**PE 1624 SM** ⓜ	(*)	**PE 3224 SM** ⓜ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 SM** ⓜ		**PE 3245 SM** ⓜ	
	50 and 60	120/208 - 144/250	9	**PE 1695 SM** ⓜ		**PE 3295 SM** ⓜ	
	50 and 60	200/346 - 240/415	6	**PE 1665 SM** ⓜ		**PE 3265 SM** ⓜ	
	50 and 60	277/480 - 288/500	7	**PE 1675 SM** ⓜ		**PE 3275 SM** ⓜ	
	50 and 60	347/600 - 400/690	5	**PE 1655 SM**		**PE 3255 SM**	
	60	250/440 - 265/460	11	**PE 16115 SM** ⓜ		**PE 32115 SM** ⓜ	
	50	220/380	3	**PE 1635 SM** ⓜ		**PE 3235 SM** ⓜ	
	60	250/440	3	**PE 1635 SM** ⓜ		**PE 3235 SM** ⓜ	
	> 300 - 500	> 50	2	**PE 1625 SM** ⓜ	(*)	**PE 3225 SM** ⓜ	(*)

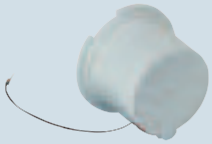
Legend

A.V. = Colour according to voltage

(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Accessories for IP67 plugs (optional)



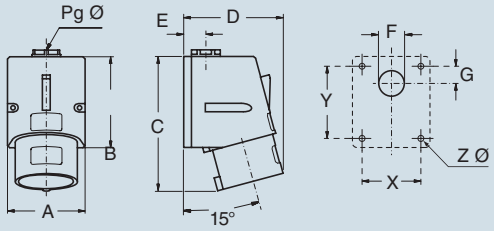
Loose protective cover

Size	Polarity	Part No.
16A	2P+⏚	**PEW 163 CS**
16A	3P+⏚	**PEW 164 CS**
16A	3P+N+⏚	**PEW 165 CS**
32A	2/3P+⏚	**PEW 324 CS**
32A	3P+N+⏚	**PEW 325 CS**
63A	All	**PEW 63 CS**
125A	All	**PEW 125 CS**

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... SM



PE...SM		A	B	C	D	E	F	G	X	Y	Z ø	Pg ø
16A	2P+⏚	70	82	115	75	20	23	16	53	65	4.5	16
	3P+⏚	70	82	117	75	20	23	16	53	65	4.5	16
	3P+N+⏚	70	82	121	90	20	23	16	53	65	4.5	16
32A	2P+⏚	86	104	145	95	24	29	17	61	79	6.5	21
	3P+⏚	86	104	145	95	24	29	17	61	79	6.5	21
	3P+N+⏚	86	104	147	95	24	29	17	61	79	6.5	21

PEW...SM wall-mounting plugs, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 SM	
PEW 1663 SM	
PEW 1693 SM	
PEW 1673 SM	
PEW 16123 SM	A.V.
PEW 1623 SM	(*)
PEW 1633 SM	A.V.
PEW 1683 SM	A.V.
PEW 1644 SM	
PEW 1694 SM	
PEW 1664 SM	
PEW 16114 SM	
PEW 1674 SM	
PEW 1654 SM	
PEW 1634 SM	
PEW 1634 SM	
PEW 16104 SM	(*)
PEW 1624 SM	(*)
PEW 1645 SM	
PEW 1695 SM	
PEW 1665 SM	
PEW 1675 SM	
PEW 1655 SM	
PEW 16115 SM	
PEW 1635 SM	
PEW 1635 SM	
PEW 1625 SM	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 SM	
PEW 3263 SM	
PEW 3293 SM	
PEW 3273 SM	
PEW 32123 SM	A.V.
PEW 3223 SM	(*)
PEW 3233 SM	A.V.
PEW 3283 SM	A.V.
PEW 3244 SM	
PEW 3294 SM	
PEW 3264 SM	
PEW 32114 SM	
PEW 3274 SM	
PEW 3254 SM	
PEW 3234 SM	
PEW 3234 SM	
PEW 32104 SM	(*)
PEW 3224 SM	(*)
PEW 3245 SM	
PEW 3295 SM	
PEW 3265 SM	
PEW 3275 SM	
PEW 3255 SM	
PEW 32115 SM	
PEW 3235 SM	
PEW 3235 SM	
PEW 3225 SM	(*)

63A
IP67 degree of protection

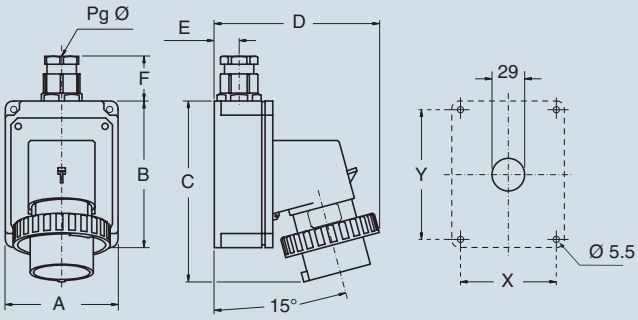
Part No.	Colour
PEW 6343 SM	
PEW 6363 SM	
PEW 6393 SM	
PEW 6373 SM	
PEW 63123 SM	A.V.
PEW 6333 SM	A.V.
PEW 6383 SM	A.V.
PEW 6344 SM	
PEW 6394 SM	
PEW 6364 SM	
PEW 63114 SM	
PEW 6374 SM	
PEW 6354 SM	
PEW 6345 SM	
PEW 6395 SM	
PEW 6365 SM	
PEW 6375 SM	
PEW 6355 SM	
PEW 63115 SM	

125A
IP67 degree of protection

Part No.	Colour
PEW 12543 SM	
PEW 12563 SM	
PEW 12593 SM	
PEW 12573 SM	
PEW 125123 SM	A.V.
PEW 12533 SM	A.V.
PEW 12583 SM	A.V.
PEW 12544 SM	
PEW 12594 SM	
PEW 12564 SM	
PEW 125114 SM	
PEW 12574 SM	
PEW 12554 SM	
PEW 12545 SM	
PEW 12595 SM	
PEW 12565 SM	
PEW 12575 SM	
PEW 12555 SM	
PEW 125115 SM	

Dimensions in mm

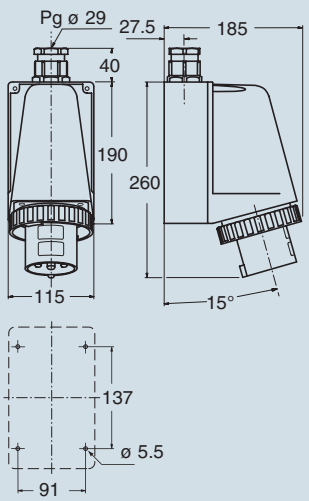
(16 / 32A) PEW ... SM



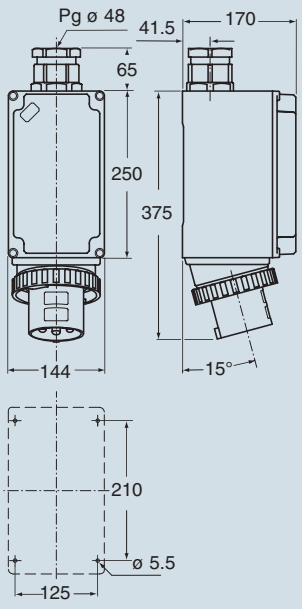
PEW...SM		A	B	C	D	E	F	X	Y	Pg ø
16A	2P+⏚	75	115	144	126	19	35	65	105	16
	3P+⏚	75	115	144	134	19	35	65	105	16
	3P+N+⏚	100	130	164	145	22	42	85	115	21
32A	2P+⏚	100	130	178	154	22	42	85	115	21
	3P+⏚	100	130	178	154	22	42	85	115	21
	3P+N+⏚	100	130	178	160	22	42	85	115	21

Dimensions in mm

(63A) PEW ... SM



(125A) PEW ... SM



PE...SI flush-mounting plugs, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and locking ring in insulating, thermoplastic, self-extinguishing material
- Flange with anti-ageing gasket
- PE...SI types (IP44), RAL 7035 grey enclosure, plug mouth colour coded according to operating voltage
- PEW...SI (IP67) types, RAL 7035 grey enclosure, locking ring with gasket colour coded according to operating voltage
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- IP44 and IP67 degrees of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 SI** ⓜ		**PE 3243 SI** ⓜ	
	50 and 60	200 - 250	6	**PE 1663 SI** ⓜ		**PE 3263 SI** ⓜ	
	50 and 60	380 - 415	9	**PE 1693 SI** ⓜ		**PE 3293 SI** ⓜ	
	50 and 60	480 - 500	7	**PE 1673 SI** ⓜ		**PE 3273 SI** ⓜ	
	50 and 60	ins. transformer	12	**PE 16123 SI** ⓜ	A.V.	**PE 32123 SI** ⓜ	A.V.
	> 300 - 500	> 50	2	**PE 1623 SI** ⓜ	(*)	**PE 3223 SI** ⓜ	(*)
	d.c.	> 50 - 250	3	**PE 1633 SI** ⓜ	A.V.	**PE 3233 SI**	A.V.
	d.c.	> 250	8	**PE 1683 SI**	A.V.	**PE 3283 SI**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 SI** ⓜ		**PE 3244 SI** ⓜ	
	50 and 60	200 - 250	9	**PE 1694 SI** ⓜ		**PE 3294 SI** ⓜ	
	50 and 60	380 - 415	6	**PE 1664 SI** ⓜ		**PE 3264 SI** ⓜ	
	60	440 - 460	11	**PE 16114 SI** ⓜ		**PE 32114 SI** ⓜ	
	50 and 60	480 - 500	7	**PE 1674 SI** ⓜ		**PE 3274 SI** ⓜ	
	50 and 60	600 - 690	5	**PE 1654 SI**		**PE 3254 SI**	
	50	380	3	**PE 1634 SI** ⓜ		**PE 3234 SI** ⓜ	
	60	440	3	**PE 1634 SI** ⓜ		**PE 3234 SI** ⓜ	
	100 - 300	> 50	10	**PE 16104 SI** ⓜ	(*)	**PE 32104 SI** ⓜ	(*)
	> 300 - 500	> 50	2	**PE 1624 SI** ⓜ	(*)	**PE 3224 SI** ⓜ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 SI** ⓜ		**PE 3245 SI** ⓜ	
	50 and 60	120/208 - 144/250	9	**PE 1695 SI** ⓜ		**PE 3295 SI** ⓜ	
	50 and 60	200/346 - 240/415	6	**PE 1665 SI** ⓜ		**PE 3265 SI** ⓜ	
	50 and 60	277/480 - 288/500	7	**PE 1675 SI** ⓜ		**PE 3275 SI** ⓜ	
	50 and 60	347/600 - 400/690	5	**PE 1655 SI**		**PE 3255 SI**	
	60	250/440 - 265/460	11	**PE 16115 SI** ⓜ		**PE 32115 SI** ⓜ	
	50	220/380	3	**PE 1635 SI** ⓜ		**PE 3235 SI** ⓜ	
	60	250/440	3	**PE 1635 SI** ⓜ		**PE 3235 SI** ⓜ	
	> 300 - 500	> 50	2	**PE 1625 SI** ⓜ	(*)	**PE 3225 SI** ⓜ	(*)

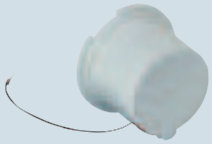
Legend

A.V. = Colour according to voltage

(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Accessories for IP67 plugs (optional)



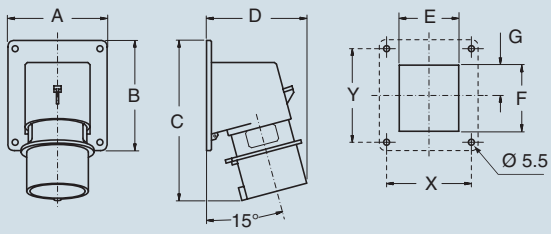
Loose protective cover

Size	Polarity	Part No.
16A	2P+⏚	**PEW 163 CS**
16A	3P+⏚	**PEW 164 CS**
16A	3P+N+⏚	**PEW 165 CS**
32A	2/3P+⏚	**PEW 324 CS**
32A	3P+N+⏚	**PEW 325 CS**
63A	All	**PEW 63 CS**
125A	All	**PEW 125 CS**

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... SI



PE...SI		A	B	C	D	E	F	G	X	Y
16A	2P+⏚	65	82	126	81	41	43	21.5	52	60
	3P+⏚	65	82	126	81	47	43	21.5	52	60
	3P+N+⏚	90	100	146	93	54	60	27.5	77	85
32A	2P+⏚	90	100	160	101	55	60	27.5	77	85
	3P+⏚	90	100	160	101	55	60	27,5	77	85
	3P+N+⏚	90	100	160	106	62	60	27.5	77	85

PEW flush-mounting plugs, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 SI	
PEW 1663 SI	
PEW 1693 SI	
PEW 1673 SI	
PEW 16123 SI	A.V.
PEW 1623 SI	(*)
PEW 1633 SI	A.V.
PEW 1683 SI	A.V.
PEW 1644 SI	
PEW 1694 SI	
PEW 1664 SI	
PEW 16114 SI	
PEW 1674 SI	
PEW 1654 SI	
PEW 1634 SI	
PEW 1634 SI	
PEW 16104 SI	(*)
PEW 1624 SI	(*)
PEW 1645 SI	
PEW 1695 SI	
PEW 1665 SI	
PEW 1675 SI	
PEW 1655 SI	
PEW 16115 SI	
PEW 1635 SI	
PEW 1635 SI	
PEW 1625 SI	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 SI	
PEW 3263 SI	
PEW 3293 SI	
PEW 3273 SI	
PEW 32123 SI	A.V.
PEW 3223 SI	(*)
PEW 3233 SI	A.V.
PEW 3283 SI	A.V.
PEW 3244 SI	
PEW 3294 SI	
PEW 3264 SI	
PEW 32114 SI	
PEW 3274 SI	
PEW 3254 SI	
PEW 3234 SI	
PEW 3234 SI	
PEW 32104 SI	(*)
PEW 3224 SI	(*)
PEW 3245 SI	
PEW 3295 SI	
PEW 3265 SI	
PEW 3275 SI	
PEW 3255 SI	
PEW 32115 SI	
PEW 3235 SI	
PEW 3235 SI	
PEW 3225 SI	(*)

63A
IP67 degree of protection

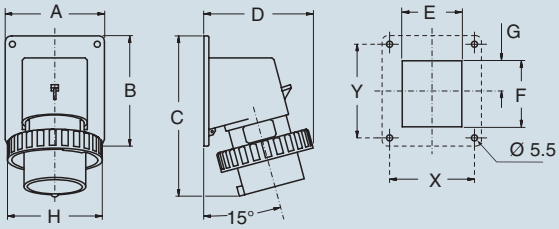
Part No.	Colour
PEW 6343 SI	
PEW 6363 SI	
PEW 6393 SI	
PEW 6373 SI	
PEW 63123 SI	A.V.
PEW 6333 SI	A.V.
PEW 6383 SI	A.V.
PEW 6344 SI	
PEW 6394 SI	
PEW 6364 SI	
PEW 63114 SI	
PEW 6374 SI	
PEW 6354 SI	
PEW 6345 SI	
PEW 6395 SI	
PEW 6365 SI	
PEW 6375 SI	
PEW 6355 SI	
PEW 63115 SI	

125A
IP67 degree of protection

Part No.	Colour
PEW 12543 SI	
PEW 12563 SI	
PEW 12593 SI	
PEW 12573 SI	
PEW 125123 SI	A.V.
PEW 12533 SI	A.V.
PEW 12583 SI	A.V.
PEW 12544 SI	
PEW 12594 SI	
PEW 12564 SI	
PEW 125114 SI	
PEW 12574 SI	
PEW 12554 SI	
PEW 12545 SI	
PEW 12595 SI	
PEW 12565 SI	
PEW 12575 SI	
PEW 12555 SI	
PEW 125115 SI	

Dimensions in mm

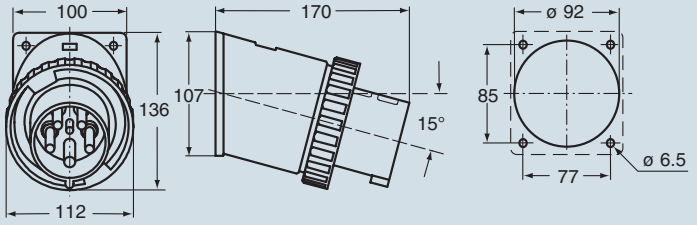
(16 / 32A) PEW ... SI



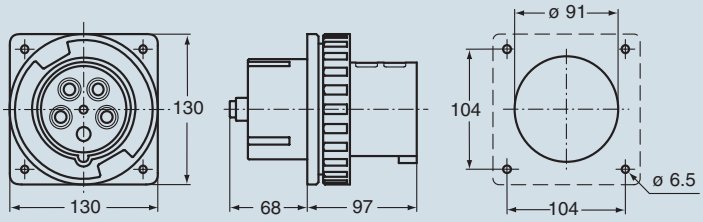
PEW...SI		A	B	C	D	E	F	G	H	X	Y
16A	2P+⏚	65	82	126	81	41	43	21.5	70	52	60
	3P+⏚	65	82	126	81	47	43	24.5	78	52	60
	3P+N+⏚	90	100	146	93	54	60	27.5	86	77	85
32A	2P+⏚	90	100	160	101	55	60	27.5	92	77	85
	3P+⏚	90	100	160	101	55	60	27.5	92	77	85
	3P+N+⏚	90	100	160	101	62	60	27.5	100	77	85

Dimensions in mm

(63A) PEW ... SI



(125A) PEW ... SI



PE...SV coupler plugs, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and locking ring in insulating, thermoplastic, self-extinguishing material
- Cable anchoring collar incorporated in the insert
- PE...SV types (IP44), entry with grommet, enclosure colour coded according to operating voltage
- PEW...SV types (IP67), cable entry with grommet, RAL 7035 grey enclosure, locking ring with gasket colour coded according to operating voltage
- Terminals with retained screws
- 63A, 125A: with pilot contact
- Nickel-plated contacts, available on request for 16A and 32A (standard on 63A and 125A)**
- IP44 and IP67 degrees of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 SV** ⓜ		**PE 3243 SV** ⓜ	
	50 and 60	200 - 250	6	**PE 1663 SV** ⓜ		**PE 3263 SV** ⓜ	
	50 and 60	380 - 415	9	**PE 1693 SV** ⓜ		**PE 3293 SV** ⓜ	
	50 and 60	480 - 500	7	**PE 1673 SV** ⓜ		**PE 3273 SV** ⓜ	
	50 and 60	ins. transformer	12	**PE 16123 SV** ⓜ	A.V.	**PE 32123 SV** ⓜ	A.V.
	> 300 - 500	> 50	2	**PE 1623 SV** ⓜ	(*)	**PE 3223 SV** ⓜ	(*)
	d.c.	> 50 - 250	3	**PE 1633 SV** ⓜ	A.V.	**PE 3233 SV**	A.V.
	d.c.	> 250	8	**PE 1683 SV**	A.V.	**PE 3283 SV**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 SV** ⓜ		**PE 3244 SV** ⓜ	
	50 and 60	200 - 250	9	**PE 1694 SV** ⓜ		**PE 3294 SV** ⓜ	
	50 and 60	380 - 415	6	**PE 1664 SV** ⓜ		**PE 3264 SV** ⓜ	
	60	440 - 460	11	**PE 16114 SV** ⓜ		**PE 32114 SV** ⓜ	
	50 and 60	480 - 500	7	**PE 1674 SV** ⓜ		**PE 3274 SV** ⓜ	
	50 and 60	600 - 690	5	**PE 1654 SV**		**PE 3254 SV**	
	50	380	3	**PE 1634 SV** ⓜ		**PE 3234 SV** ⓜ	
	60	440	3	**PE 1634 SV** ⓜ		**PE 3234 SV** ⓜ	
	100 - 300	> 50	10	**PE 16104 SV** ⓜ	(*)	**PE 32104 SV** ⓜ	(*)
	> 300 - 500	> 50	2	**PE 1624 SV** ⓜ	(*)	**PE 3224 SV** ⓜ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 SV** ⓜ		**PE 3245 SV** ⓜ	
	50 and 60	120/208 - 144/250	9	**PE 1695 SV** ⓜ		**PE 3295 SV** ⓜ	
	50 and 60	200/346 - 240/415	6	**PE 1665 SV** ⓜ		**PE 3265 SV** ⓜ	
	50 and 60	277/480 - 288/500	7	**PE 1675 SV** ⓜ		**PE 3275 SV** ⓜ	
	50 and 60	347/600 - 400/690	5	**PE 1655 SV**		**PE 3255 SV**	
	60	250/440 - 265/460	11	**PE 16115 SV** ⓜ		**PE 32115 SV** ⓜ	
	50	220/380	3	**PE 1635 SV** ⓜ		**PE 3235 SV** ⓜ	
	60	250/440	3	**PE 1635 SV** ⓜ		**PE 3235 SV** ⓜ	
	> 300 - 500	> 50	2	**PE 1625 SV** ⓜ	(*)	**PE 3225 SV** ⓜ	(*)

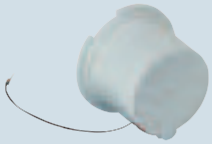
Legend

A.V. = Colour according to voltage

(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Accessories for IP67 plugs (optional)



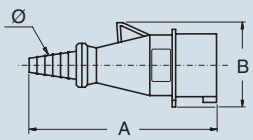
Loose protective cover

Size	Polarity	Part No.
16A	2P+⏚	**PEW 163 CS**
16A	3P+⏚	**PEW 164 CS**
16A	3P+N+⏚	**PEW 165 CS**
32A	2/3P+⏚	**PEW 324 CS**
32A	3P+N+⏚	**PEW 325 CS**
63A	All	**PEW 63 CS**
125A	All	**PEW 125 CS**

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... SV



PE...SV		A	B	ø min	ø max
16A	2P+⏚	143.5	59	7	17
	3P+⏚	148.5	66	7	17
	3P+N+⏚	167.5	75	9	22
32A	2P+⏚	187	80	9	22
	3P+⏚	187	80	9	22
	3P+N+⏚	192.5	87	9	22

PEW...SV coupler plugs, low voltage from over 50V up to 690V

16A
IP67 degree of protection

Part No.	Colour
PEW 1643 SV	
PEW 1663 SV	
PEW 1693 SV	
PEW 1673 SV	
PEW 16123 SV	A.V.
PEW 1623 SV	(*)
PEW 1633 SV	A.V.
PEW 1683 SV	A.V.
PEW 1644 SV	
PEW 1694 SV	
PEW 1664 SV	
PEW 16114 SV	
PEW 1674 SV	
PEW 1654 SV	
PEW 1634 SV	
PEW 1634 SV	
PEW 16104 SV	(*)
PEW 1624 SV	(*)
PEW 1645 SV	
PEW 1695 SV	
PEW 1665 SV	
PEW 1675 SV	
PEW 1655 SV	
PEW 16115 SV	
PEW 1635 SV	
PEW 1635 SV	
PEW 1625 SV	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 SV	
PEW 3263 SV	
PEW 3293 SV	
PEW 3273 SV	
PEW 32123 SV	A.V.
PEW 3223 SV	(*)
PEW 3233 SV	A.V.
PEW 3283 SV	A.V.
PEW 3244 SV	
PEW 3294 SV	
PEW 3264 SV	
PEW 32114 SV	
PEW 3274 SV	
PEW 3254 SV	
PEW 3234 SV	
PEW 3234 SV	
PEW 32104 SV	(*)
PEW 3224 SV	(*)
PEW 3245 SV	
PEW 3295 SV	
PEW 3265 SV	
PEW 3275 SV	
PEW 3255 SV	
PEW 32115 SV	
PEW 3235 SV	
PEW 3235 SV	
PEW 3225 SV	(*)

63A
IP67 degree of protection

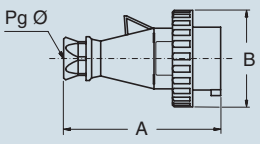
Part No.	Colour
PEW 6343 SV	
PEW 6363 SV	
PEW 6393 SV	
PEW 6373 SV	
PEW 63123 SV	A.V.
PEW 6333 SV	A.V.
PEW 6383 SV	A.V.
PEW 6344 SV	
PEW 6394 SV	
PEW 6364 SV	
PEW 63114 SV	
PEW 6374 SV	
PEW 6354 SV	
PEW 6345 SV	
PEW 6395 SV	
PEW 6365 SV	
PEW 6375 SV	
PEW 6355 SV	
PEW 63115 SV	

125A
IP67 degree of protection

Part No.	Colour
PEW 12543 SV	
PEW 12563 SV	
PEW 12593 SV	
PEW 12573 SV	
PEW 125123 SV	A.V.
PEW 12533 SV	A.V.
PEW 12583 SV	A.V.
PEW 12544 SV	
PEW 12594 SV	
PEW 12564 SV	
PEW 125114 SV	
PEW 12574 SV	
PEW 12554 SV	
PEW 12545 SV	
PEW 12595 SV	
PEW 12565 SV	
PEW 12575 SV	
PEW 12555 SV	
PEW 125115 SV	

Dimensions in mm

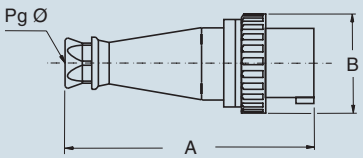
(16 / 32A) PEW ... SV



PEW...SV		A	B	Pg ø
16A	2P+⏚	137	70	16
	3P+⏚	142	78	16
	3P+N+⏚	150	86	21
32A	2P+⏚	170	92	21
	3P+⏚	170	92	21
	3P+N+⏚	175	99.5	21

Dimensions in mm

(63 / 125A) PEW ... SV



PEW...SV		A	B	Pg ø
63A	2P+⏚	264.5	112	36
	3P+⏚	264.5	112	36
	3P+N+⏚	264.5	112	36
125A	2P+⏚	310	130	2" gas
	3P+⏚	310	130	2" gas
	3P+N+⏚	310	130	2" gas

PE...SA angled coupler plugs, low voltage from over 50V up to 690V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and locking ring in insulating, thermoplastic, self-extinguishing material
- Cable anchoring collar incorporated in the insert
- Entry with cable gland
- PE...SA types (IP44), enclosure colour coded according to operating voltage
- PEW...SA types (IP67), RAL 7035 grey enclosure, locking ring with gasket colour coded according to operating voltage
- Terminals with retained screws
- Nickel-plated contacts, available on request for 16A and 32A**
- IP44 and IP67 degrees of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A
IP44 degree of protection

32A
IP44 degree of protection

Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P+⏚	50 and 60	100 - 130	4	**PE 1643 SA** ⓜ		**PE 3243 SA** ⓜ	
	50 and 60	200 - 250	6	**PE 1663 SA** ⓜ		**PE 3263 SA** ⓜ	
	50 and 60	380 - 415	9	**PE 1693 SA** ⓜ		**PE 3293 SA** ⓜ	
	50 and 60	480 - 500	7	**PE 1673 SA** ⓜ		**PE 3273 SA** ⓜ	
	50 and 60	ins. transformer	12	**PE 16123 SA** ⓜ	A.V.	**PE 32123 SA** ⓜ	A.V.
	> 300 - 500	> 50	2	**PE 1623 SA** ⓜ	(*)	**PE 3223 SA** ⓜ	(*)
	d.c.	> 50 - 250	3	**PE 1633 SA** ⓜ	A.V.	**PE 3233 SA**	A.V.
	d.c.	> 250	8	**PE 1683 SA**	A.V.	**PE 3283 SA**	A.V.
3P+⏚	50 and 60	100 - 130	4	**PE 1644 SA** ⓜ		**PE 3244 SA** ⓜ	
	50 and 60	200 - 250	9	**PE 1694 SA** ⓜ		**PE 3294 SA** ⓜ	
	50 and 60	380 - 415	6	**PE 1664 SA** ⓜ		**PE 3264 SA** ⓜ	
	60	440 - 460	11	**PE 16114 SA** ⓜ		**PE 32114 SA** ⓜ	
	50 and 60	480 - 500	7	**PE 1674 SA** ⓜ		**PE 3274 SA** ⓜ	
	50 and 60	600 - 690	5	**PE 1654 SA**		**PE 3254 SA**	
	50	380	3	**PE 1634 SA** ⓜ		**PE 3234 SA** ⓜ	
	60	440	3	**PE 1634 SA** ⓜ		**PE 3234 SA** ⓜ	
	100 - 300	> 50	10	**PE 16104 SA** ⓜ	(*)	**PE 32104 SA** ⓜ	(*)
	> 300 - 500	> 50	2	**PE 1624 SA** ⓜ	(*)	**PE 3224 SA** ⓜ	(*)
3P+N+⏚	50 and 60	57/100 - 75/130	4	**PE 1645 SA** ⓜ		**PE 3245 SA** ⓜ	
	50 and 60	120/208 - 144/250	9	**PE 1695 SA** ⓜ		**PE 3295 SA** ⓜ	
	50 and 60	200/346 - 240/415	6	**PE 1665 SA** ⓜ		**PE 3265 SA** ⓜ	
	50 and 60	277/480 - 288/500	7	**PE 1675 SA** ⓜ		**PE 3275 SA** ⓜ	
	50 and 60	347/600 - 400/690	5	**PE 1655 SA**		**PE 3255 SA**	
	60	250/440 - 265/460	11	**PE 16115 SA** ⓜ		**PE 32115 SA** ⓜ	
	50	220/380	3	**PE 1635 SA** ⓜ		**PE 3235 SA** ⓜ	
	60	250/440	3	**PE 1635 SA** ⓜ		**PE 3235 SA** ⓜ	
	> 300 - 500	> 50	2	**PE 1625 SA** ⓜ	(*)	**PE 3225 SA** ⓜ	(*)

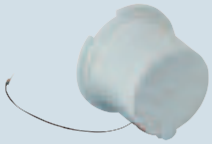
Legend

A.V. = Colour according to voltage

(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

(**) For the code of products with nickel-plated contacts (socket holes, plug pins), add "N" to the pre-code of the corresponding standard product code; for example: PE becomes PEN and PEW becomes PEWN.

Accessories for IP67 plugs (optional)



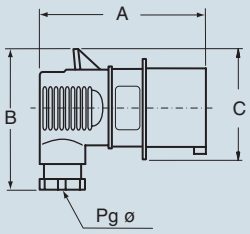
Loose protective cover

Size	Polarity	Part No.
16A	2P+⏚	**PEW 163 CS**
16A	3P+⏚	**PEW 164 CS**
16A	3P+N+⏚	**PEW 165 CS**
32A	2/3P+⏚	**PEW 324 CS**
32A	3P+N+⏚	**PEW 325 CS**

Dimensions indicated are not binding and may be changed without prior notice.

Dimensions in mm

(16 / 32A) PE ... SA



PE...SA		A	B	C	Pg ø
16A	2P+⏚	100	77	59	13.5
	3P+⏚	100	84	68	16
	3P+N+⏚	106	91	77	16
32A	2P+⏚	131	100	82	21
	3P+⏚	131	100	82	21
	3P+N+⏚	131	107	93	21

PEW...SA angled coupler plugs, low voltage from over 50V up to 690V

16A
IP67 degree of protection

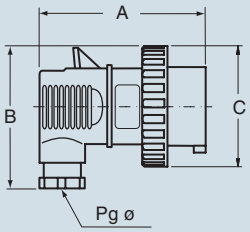
Part No.	Colour
PEW 1643 SA	
PEW 1663 SA	
PEW 1693 SA	
PEW 1673 SA	
PEW 16123 SA	A.V.
PEW 1623 SA	(*)
PEW 1633 SA	A.V.
PEW 1683 SA	A.V.
PEW 1644 SA	
PEW 1694 SA	
PEW 1664 SA	
PEW 16114 SA	
PEW 1674 SA	
PEW 1654 SA	
PEW 1634 SA	
PEW 1634 SA	
PEW 16104 SA	(*)
PEW 1624 SA	(*)
PEW 1645 SA	
PEW 1695 SA	
PEW 1665 SA	
PEW 1675 SA	
PEW 1655 SA	
PEW 16115 SA	
PEW 1635 SA	
PEW 1635 SA	
PEW 1625 SA	(*)

32A
IP67 degree of protection

Part No.	Colour
PEW 3243 SA	
PEW 3263 SA	
PEW 3293 SA	
PEW 3273 SA	
PEW 32123 SA	A.V.
PEW 3223 SA	(*)
PEW 3233 SA	A.V.
PEW 3283 SA	A.V.
PEW 3244 SA	
PEW 3294 SA	
PEW 3264 SA	
PEW 32114 SA	
PEW 3274 SA	
PEW 3254 SA	
PEW 3234 SA	
PEW 3234 SA	
PEW 32104 SA	(*)
PEW 3224 SA	(*)
PEW 3245 SA	
PEW 3295 SA	
PEW 3265 SA	
PEW 3275 SA	
PEW 3255 SA	
PEW 32115 SA	
PEW 3235 SA	
PEW 3235 SA	
PEW 3225 SA	(*)

Dimensions in mm

(16 / 32A) PEW ...SA



PEW...SA		A	B	C	Pg ø
16A	2P+⏚	100	77	59	13.5
	3P+⏚	100	84	68	16
	3P+N+⏚	106	91	77	16
32A	2P+⏚	131	100	82	21
	3P+⏚	131	100	82	21
	3P+N+⏚	131	107	93	21

PEM... single-block plugs and coupler socket-outlets, low voltage

- Compliant with EN 60309-1 and -2
- Enclosure and insert in insulating, thermoplastic and self-extinguishing material
- RAL 7035 grey enclosure, red spring lid (colour coded according to operating voltage)
- Elongated grounding contact to ensure maximum protection (if the electric wire is stretched, the grounding wire will be the last to detach)
- Contact terminals oriented in the same direction to facilitate automated wiring
- Cable anchorage with retained screws
- Nickel-plated contacts on request
- IP44 class of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A - 32A wall-mounting socket IP44 degree of protection

16A - 32A flush-mounting socket IP44 degree of protection

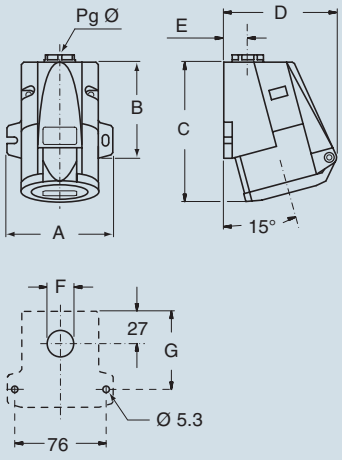
Number of poles	Frequency Hz	Voltage V	Rated current	Earthing cont. position h	Part No.	Colour	Part No.	Colour
3P+N+⏚	50 and 60	200/346 - 240/415	16A	6	**PEM 1665 PP**		**PEM 1665 PI**	
	50 and 60	200/346 - 240/415	32A	6	**PEM 3265 PP**		**PEM 3265 PI**	

Version

In PEM plugs and socket-outlets, the contact holding insert (main part) is incorporated in the front of the enclosure. In these versions, the screws of the 5 terminals are oriented in the same direction in order to simplify automated wiring. The grounding pin is longer at the rear to provide greater safety if the cable anchor breaks. As the wires in the multiple cable are generally cut at the same length, the longer grounding terminal ensures that the last wire to be detached from the terminal is the protective one (PE) if the cable anchor breaks.

Dimensions in mm

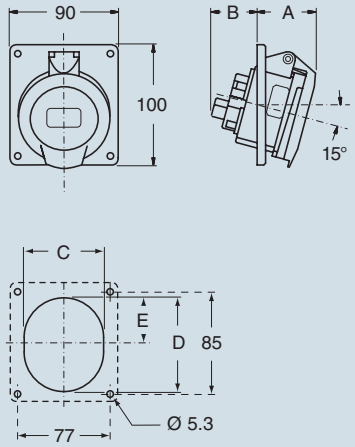
PEM ... PP



Type	A	B	C	D	E	F	G	Pg ø
16A	88	80	115	95	20	23	65	16
32A	95	105	145	110	24	29	85	21

Dimensions in mm

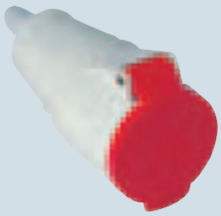
PEM ... PI



Type	A	B	C	D	E
16A	48	38	66	78	38
32A	50	52	74	86	40

Dimensions indicated are not binding and may be changed without prior notice.

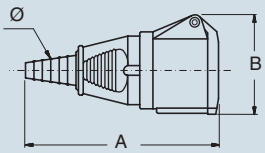
16A and 32A coupler socket-outlet IP44 degree of protection



Part No.	Colour
PEM 1665 PV	
PEM 3265 PV	

Dimensions in mm

PEM ... PV



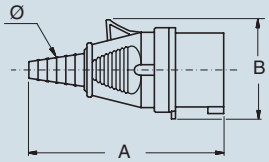
Type	A	B	ø min	ø max
16A	158	83	9	22
32A	180	90	9	22

16A and 32A plugs IP44 degree of protection

Part No.	Colour
PEM 1665 SV	
PEM 3265 SV	

Dimensions in mm

PEM ... SV



Type	A	B	ø min	ø max
16A	145	75	9	22
32A	170	87	9	22

SIP... plugs with phase inverter, low voltage

- Compliant with EN 60309-1 and -2
- Enclosure and insert in insulating, thermoplastic and self-extinguishing material
- SIP... types (IP44), red enclosure (colour coded according to operating voltage) SIPW...types RAL 7035 grey enclosure, red bayonet ring (colour coded according to operating voltage)
- Built-in phase inverter device, operated by means of a screwdriver
- SIP... types (IP44), entry with threaded grommet, SIPW...types (IP67), entry with cable gland,
- Terminals with retained screws
- Nickel-plated contacts on request
- IP44 and IP67 degrees of protection (EN 60529)

16A and 32A wall-mounting plugs IP44 degree of protection

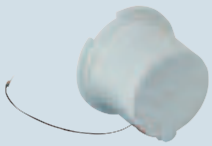
16A and 32A wall-mounting plugs IP67 degree of protection

Number of poles	Frequency Hz	Voltage V	Rated current	Earthing cont. position h	Part No.	Colour	Part No.	Colour
3P+N+⏚	50 and 60	200/346 - 240/415	16A	6	**SIP 1665 SM**		**SIPW 1665 SM**	
	50 and 60	200/346 - 240/415	32A	6	**SIP 3265 SM**		**SIPW 3265 SM**	

Version

SIP plugs incorporate a mechanical device that exchanges the position of the pins of phases L2 and L3 (phase inverter); this enables the phase cycles to be adapted to the required direction of rotation of three-phase motors.
The device can be regulated on the contact side using a screwdriver without having to disassemble the plug.

Accessories for IP67 plugs (optional)

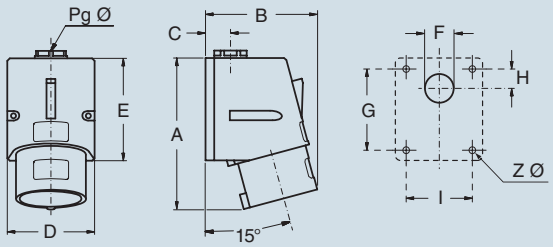


Loose protective cover	
Size	Part No.
16A	**PEW 165 CS**
32A	**PEW 325 CS**

Dimensions indicated are not binding and may be changed without prior notice.

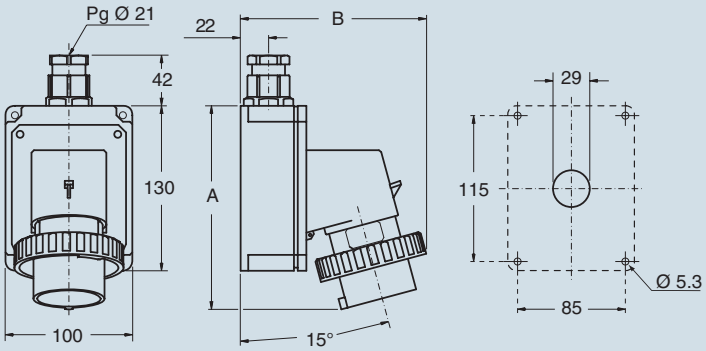
Dimensions in mm

SIP ... SM



Type	A	B	C	D	E	F	G	H	I	Z ø	Pg ø
16A	121	90	20	70	82	23	65	16	53	4.3	16
32A	147	95	24	86	104	29	79	17	61	6.3	21

SIPW ... SM



Type	A	B
16A	164	145
32A	178	160

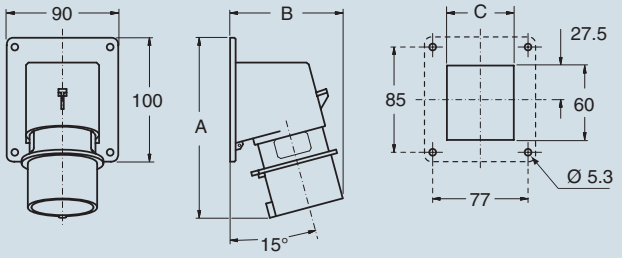
SIP... plugs with phase inverter, low voltage

16A and 32A flush-mounting plugs IP44 degree of protection

Part No.	Colour
SIP 1665 SI	
SIP 3265 SI	

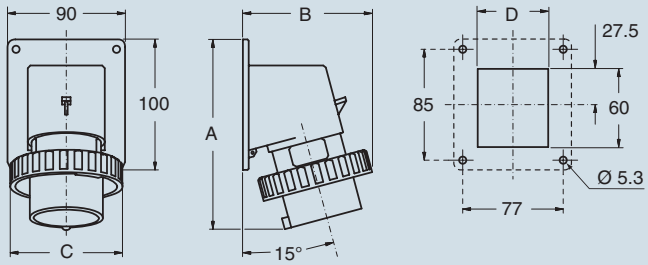
Dimensions in mm

SIP ... SI



Type	A	B	C
16A	146	93	54
32A	160	106	62

SIPW ... SI



Type	A	B	C	D
16A	146	99	86	54
32A	160	113	100	62

16A and 32A flush-mounting plugs IP67 degree of protection

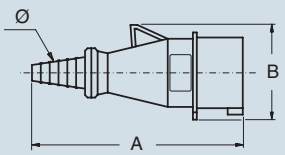
Part No.	Colour
SIPW 1665 SI	
SIPW 3265 SI	

16A and 32A plugs IP44 degree of protection

Part No.	Colour
SIP 1665 SV	
SIP 3265 SV	

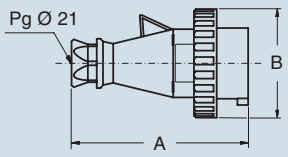
Dimensions in mm

SIP ... SV



Type	A	B	ø min	ø max
16A	167.5	75	9	22
32A	192.5	87	9	22

SIPW ... SV



Type	A	B
16A	150	86
32A	175	99.5

16A and 32A plugs IP67 degree of protection

Part No.	Colour
SIPW 1665 SV	
SIPW 3265 SV	

PB... socket-outlets for extra-low voltages, up to 50V

- Compliant with EN 60309-1 and -2
- Enclosure, insert and spring lid in insulating, thermoplastic, self-extinguishing material
- RAL 7035 grey enclosure
- Spring lid colour coded according to operating voltage and frequency
- Wall-mounting types PB...PP, top entry with threaded grommet (replaceable with cable gland)
- Flush-mounting types PB...PI, flange with anti-aging gasket
- Coupler types PB...PV, cable anchoring collar incorporated in the insert, entry with grommet
- Terminals with retained screws
- Nickel-plated contacts on request
- IP44 degree of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A wall-mounting socket
IP44 degree of protection

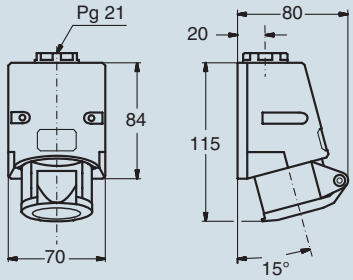
32A wall-mounting socket
IP44 degree of protection

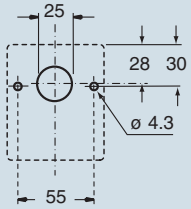
Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P	50 and 60	20 - 25	-	**PB 16002 PP** ⓜ		**PB 32002 PP** ⓜ	
	50 and 60	40 - 50	12	**PB 16122 PP** ⓜ		**PB 32122 PP** ⓜ	
	> 100 - 200 included	20 - 25 and 40 - 50	4	**PB 16042 PP** ⓜ	(*)	**PB 32042 PP** ⓜ	(*)
	300	20 - 25 and 40 - 50	2	**PB 16022 PP** ⓜ	(*)	**PB 32022 PP** ⓜ	(*)
	400	20 - 25 and 40 - 50	3	**PB 16032 PP** ⓜ	(*)	**PB 32032 PP** ⓜ	(*)
	> 400 - 500 included	20 - 25 and 40 - 50	11	**PB 16112 PP** ⓜ	(*)	**PB 32112 PP** ⓜ	(*)
	DC	20 - 25 and 40 - 50	10	**PB 16102 PP** ⓜ		**PB 32102 PP** ⓜ	
3P	50 and 60	20 - 25	-	**PB 16003 PP** ⓜ		**PB 32003 PP** ⓜ	
	50 and 60	40 - 50	12	**PB 16123 PP** ⓜ		**PB 32123 PP** ⓜ	
	> 100 - 200 included	20 - 25 and 40 - 50	4	**PB 16043 PP** ⓜ	(*)	**PB 32043 PP** ⓜ	(*)
	300	20 - 25 and 40 - 50	2	**PB 16023 PP** ⓜ	(*)	**PB 32023 PP** ⓜ	(*)
	400	20 - 25 and 40 - 50	3	**PB 16033 PP** ⓜ	(*)	**PB 32033 PP** ⓜ	(*)
	> 400 - 500 included	20 - 25 and 40 - 50	11	**PB 16113 PP** ⓜ	(*)	**PB 32113 PP** ⓜ	(*)

(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

Dimensions in mm

(16 / 32A) PB ... PP





Dimensions indicated are not binding and may be changed without prior notice.

PB... socket-outlets for extra-low voltages, up to 50V

16A flush-mounting socket-outlets IP44 degree of protection

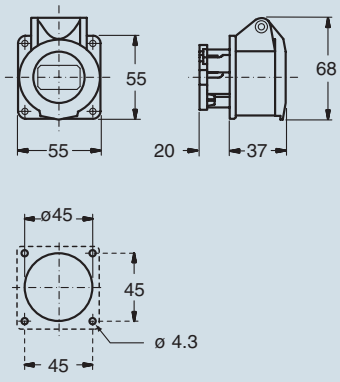
Part No.	Colour
PB 16002 PI	
PB 16122 PI	
PB 16042 PI	(*)
PB 16022 PI	(*)
PB 16032 PI	(*)
PB 16112 PI	(*)
PB 16102 PI	
PB 16003 PI	
PB 16123 PI	
PB 16043 PI	(*)
PB 16023 PI	(*)
PB 16033 PI	(*)
PB 16113 PI	(*)

32A flush-mounting socket-outlets IP44 degree of protection

Part No.	Colour
PB 32002 PI	
PB 32122 PI	
PB 32042 PI	(*)
PB 32022 PI	(*)
PB 32032 PI	(*)
PB 32112 PI	(*)
PB 32102 PI	
PB 32003 PI	
PB 32123 PI	
PB 32043 PI	(*)
PB 32023 PI	(*)
PB 32033 PI	(*)
PB 32113 PI	(*)

Dimensions in mm

(16 / 32A) PB ... PI



16A couplers IP44 degree of protection

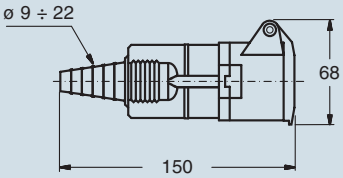
Part No.	Colour
PB 16002 PV	
PB 16122 PV	
PB 16042 PV	(*)
PB 16022 PV	(*)
PB 16032 PV	(*)
PB 16112 PV	(*)
PB 16102 PV	
PB 16003 PV	
PB 16123 PV	
PB 16043 PV	(*)
PB 16023 PV	(*)
PB 16033 PV	(*)
PB 16113 PV	(*)

32A couplers IP44 degree of protection

Part No.	Colour
PB 32002 PV	
PB 32122 PV	
PB 32042 PV	(*)
PB 32022 PV	(*)
PB 32032 PV	(*)
PB 32112 PV	(*)
PB 32102 PV	
PB 32003 PV	
PB 32123 PV	
PB 32043 PV	(*)
PB 32023 PV	(*)
PB 32033 PV	(*)
PB 32113 PV	(*)

Dimensions in mm

(16 / 32A) PB ... PV



PB... plugs for extra-low voltages, up to 50V

- Compliant with EN 60309-1 and -2
- Enclosure and insert in insulating, thermoplastic and self-extinguishing material
- RAL 7035 grey enclosure
- Plug mouth colour coded according to operating voltage and frequency
- PB...SM wall-mounting types, top entry with threaded grommet (replaceable with cable gland)
- PB...SV coupler types, cable anchoring collar incorporated in the collar, entry with grommet
- Terminals with retained screws
- Nickel-plated contacts on request
- IP44 degree of protection (EN 60529)
- ⓜ With Italian Quality Mark

16A wall-mounting plugs
IP44 degree of protection

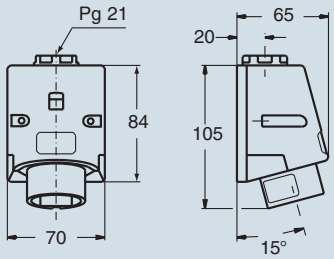
32A wall-mounting plugs
IP44 degree of protection

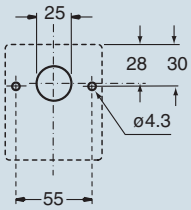
Number of poles	Frequency Hz	Voltage V	Earthing contact position h	Part No.	Colour	Part No.	Colour
2P	50 and 60	20 - 25	-	**PB 16002 SM** ⓜ		**PB 32002 SM** ⓜ	
	50 and 60	40 - 50	12	**PB 16122 SM** ⓜ		**PB 32122 SM** ⓜ	
	> 100 - 200 included	20 - 25 and 40 - 50	4	**PB 16042 SM** ⓜ	(*)	**PB 32042 SM** ⓜ	(*)
	300	20 - 25 and 40 - 50	2	**PB 16022 SM** ⓜ	(*)	**PB 32022 SM** ⓜ	(*)
	400	20 - 25 and 40 - 50	3	**PB 16032 SM** ⓜ	(*)	**PB 32032 SM** ⓜ	(*)
	> 400 - 500 included	20 - 25 and 40 - 50	11	**PB 16112 SM** ⓜ	(*)	**PB 32112 SM** ⓜ	(*)
	DC	20 - 25 and 40 - 50	10	**PB 16102 SM** ⓜ		**PB 32102 SM** ⓜ	
3P	50 and 60	20 - 25	-	**PB 16003 SM** ⓜ		**PB 32003 SM** ⓜ	
	50 and 60	40 - 50	12	**PB 16123 SM** ⓜ		**PB 32123 SM** ⓜ	
	> 100 - 200 included	20 - 25 and 40 - 50	4	**PB 16043 SM** ⓜ	(*)	**PB 32043 SM** ⓜ	(*)
	300	20 - 25 and 40 - 50	2	**PB 16023 SM** ⓜ	(*)	**PB 32023 SM** ⓜ	(*)
	400	20 - 25 and 40 - 50	3	**PB 16033 SM** ⓜ	(*)	**PB 32033 SM** ⓜ	(*)
	> 400 - 500 included	20 - 25 and 40 - 50	11	**PB 16113 SM** ⓜ	(*)	**PB 32113 SM** ⓜ	(*)

(*) Green may be used together with the colour of the operating range for frequencies above 60 Hz and up to a maximum of 500 Hz.

Dimensions in mm

(16 / 32A) PB ... SM





Dimensions indicated are not binding and may be changed without prior notice.

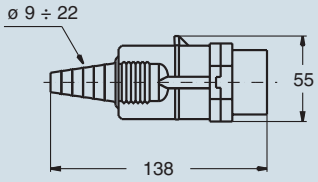
PB... plugs for extra-low voltages, up to 50V

16A plugs
IP44 degree of protection

Part No.	Colour
PB 16002 SV	
PB 16122 SV	
PB 16042 SV	(*)
PB 16022 SV	(*)
PB 16032 SV	(*)
PB 16112 SV	(*)
PB 16102 SV	
PB 16003 SV	
PB 16123 SV	
PB 16043 SV	(*)
PB 16023 SV	(*)
PB 16033 SV	(*)
PB 16113 SV	(*)

32A plugs
IP44 degree of protection

Part No.	Colour
PB 32002 SV	
PB 32122 SV	
PB 32042 SV	(*)
PB 32022 SV	(*)
PB 32032 SV	(*)
PB 32112 SV	(*)
PB 32102 SV	
PB 32003 SV	
PB 32123 SV	
PB 32043 SV	(*)
PB 32023 SV	(*)
PB 32033 SV	(*)
PB 32113 SV	(*)

Dimensions in mm

(16 / 32A) PB ... SV