

16/32 A surface mounting sockets - 20/25 V - 200/250 V and 380/415 V

Zones 21 and 22 - dust environment



Power socket
0974 27

16 and 32 A surface mounting sockets for zones 21 and 22

- Socket made of polyester or high-impact resistance plastic material
- Polyamide cover
- Total disconnection of poles via patented double acting safety device, which ensures the following on removal of plug:
 - Automatic and simultaneous disconnection of each phase in one flameproof chamber
 - Disconnection of the pins with the power off in a second flameproof chamber
- Can be padlocked in 3 positions (1 padlock, capacity \varnothing 5 mm, length 45 mm)
 - Plug inserted with the power on
 - Plug inserted with the power off
 - Socket closed with plug removed
- Sockets incorporate safety feature to accept only ATX plugs for potentially explosive atmospheres

16 A surface mounting sockets

- 3 x M20 threaded entries (1 at top, 2 at bottom)
- Connection via 2 x 4 mm² terminals
- Possible through-wiring socket connection
- Equipped with 3 linked earth terminals
- Supplied with:
 - 1 x M20 cable gland Cat. No. 0956 05 sealed \varnothing 6.5 to 14.5 mm
 - 2 x M20 blanking plugs

20 to 25 V ~ 50/60 Hz	Weight	Volume	Cat. No.	Pack
2 P + E	0.6	3.8	0973 68	1
200 to 250 V ~ 50/60 Hz				
2 P + E	0.6	3.8	0974 26	1
380 to 415 V ~ 50/60 Hz				
3 P + E	1.5	4.7	0974 27	1

32 A surface mounting sockets

- 3 x M25 threaded entries (1 at top, 2 at bottom)
- Connection via 2 x 6 mm² terminals
- Equipped with 3 linked earth terminals
- Supplied with:
 - 1 x M25 cable gland Cat. No. 0956 06 sealed \varnothing 8 to 18.5 mm
 - 2 x M25 blanking plugs

380 to 415 V ~ 50/60 Hz	Weight	Volume	Cat. No.	Pack
3 P + E	2	7	0977 27	1

- 16 and 32 A mobile sockets (see page 123)
- Other voltages and power ratings (see page 123)
- 63 and 125 A power sockets (see page 123)

Part number in bold : fast moving references

Zone 21 & 22 (1)	ATEX	ICE	EC	II 2 D
EEx ed IIC	T = 80°C	IP 66	ICC = 20 KA	IK10

TECHNICAL DATA

Zones : 21 - 22 (1) These products are also designed for use in zones 1 and 2

Classification :

- According to CENELEC
 - Conforming to ATEX Directive 94/9 EC and standards EN 50014-18-19
 - EC 0081 Ex II 2 G for gas EEx ed IIC T6 for Ta + 40°C T5 for + 40°C < Ta + 55°C
 - EC 0081 Ex II 2 D T = +80°C for dust
- According to IEC:
 - Conforming to standards IEC 60079-0/1/7 Ex ed IIC T6 for Ta + 40°C T5 for + 40°C < Ta + 55°C
 - DIPA 21 TA = +80°C for dust

Certification :

- Approved type PCX:
- CENELEC LCIE 02 ATEX 6068
- IEC LCIE Ex 02.007
- **CE** declaration of conformity 50228
- Conforming to standards EN 60309.1 and EN 60309.2
- Withstand to prospective short-circuit currents ISC = 20 KA
- Conforming to standards EN 50281-1-1 and IEC 61241-1-1 "combustible dust"

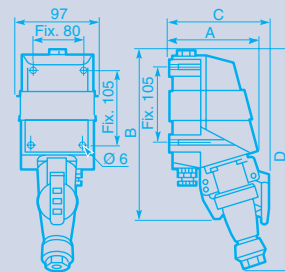
Protection index :

- IP66 according to EN 60529 and IEC 60529 (with or without plug inserted)
- IK10 mechanical resistance according to EN 50102

Operating temperature : – 40°C to + 55°C

Dimensions (mm) :

Plugs



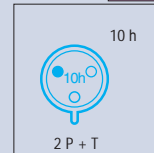
	A	B	C	D
2 P + T	140	275	155	370
3 P + T	140	275	155	370

Breaking capacities:

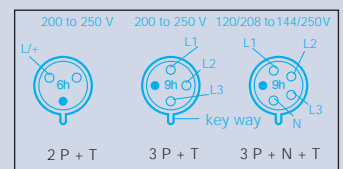
AC1 : 32 A - 500 V
AC22 : 11 kW - 220 V
12 kW - 240 V
19 kW - 380 V
20,7 kW - 415 V

Pin configurations

20 to 25 V ~



200 to 250 V ~ 50 /60 Hz Blue



Product features/customer benefits

- Built-in automatic switch : **simple operation**
- Non-stick silver contacts : **durability**
- Double flameproof chamber : **safe operation**