

increased safety



Socket 0973 52



Plug 0973 62

#### 40 - 50 V~ wall mounting sockets and plugs

- Polycarbonate socket (high impact resistance) and polyamide cover
- Total disconnection of poles by patented double acting safety device which ensures the following when the plug is removed:
  - 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  $\varnothing$  5 mm, length 45 mm) :
  - plug inserted with power on
  - plug inserted with power off
  - socket closed with plug removed
- Sockets with safety feature designed to accept only ATX plugs for explosive atmospheres (preventing connection of any other plug such as industrial ones)

#### 40-50 V ~ 50/60 Hz wall mounting sockets

- 3 x M20 threaded cable entries (1 upper, 2 lower)
- Supplied with 1 x M20 cable gland Cat. No. 0956 05 ( $\varnothing$  6.5 to  $\varnothing$  14.5 mm) and 2 x M20 blanking plugs
- Connection via 2 x 4 mm<sup>2</sup> terminals. Can be through-wired
- Fitted with 3 linked earth terminals

40 - 50 V~	Weight (Kg)	Volume (dm <sup>3</sup> )	Cat. No.	Pack
2 P	0.6	3.8	<b>0973 52</b>	1
3 P	0.6	3.8	<b>0973 53</b>	1

#### 40 - 50 V~ 50/60 Hz plugs

- 1 cable entry via integrated PG16 cable gland ( $\varnothing$  6.5 mm min.,  $\varnothing$  14.5 max.)
- Connection via 2.5 mm<sup>2</sup> terminal

40 - 50 V~	Weight (Kg)	Volume (dm <sup>3</sup> )	Cat. No.	Pack
2 P	0.2	0.6	<b>0973 62</b>	1
3 P	0.2	0.6	<b>0973 63</b>	1

#### 40 - 50 V~ 50/60 Hz mobile sockets

- 1 cable entry via integrated PG16 cable gland ( $\varnothing$  6.5 mm min.,  $\varnothing$  14.5 max.)
- Connection via 4 mm<sup>2</sup> terminal

40 - 50 V~	Weight (Kg)	Volume (dm <sup>3</sup> )	Cat. No.	Pack
2 P	0.4	1.3	<b>0973 67</b>	1
3 P	0.4	1.3	<b>0973 70</b>	1

#### Accessories

	Cat. No.	Pack
M20 earth stud	0957 48	1
M20 earth continuity adaptor	0957 43	1

Zone 1 & 2 - 21 & 22	ATEX	IEC	EC	II 2 G/D
Ex ed IIC	T6 or T5	T = 80°C	IP66	ISC = 20 KA IK10

#### TECHNICAL DATA

Zones : 1 and 2, and 21 - 22

#### Classification :

- According to CENELEC :
  - Conforming to ATEX 94/9 EC Directive and standards EN 50014-18-19
  - EC 0081  $\text{Ex}$  II 2 G for gas Ex ed IIC  
T6 for Ta + 40°C T5 for + 40°C < Ta + 55°C
  - EC 0081  $\text{Ex}$  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

#### Approvals :

- Approved type PCX
- CENELEC LCIE 02 ATEX 6068
- IEC LCIE Ex 02.007
- $\text{CE}$  declaration of conformity 50228
- Conforming to standards EN 60309.1 and EN 60309.2  
Resistance to potential short-circuit currents ISC = 20 KA
- Conforming to standards EN 50281-1-1 and IEC 61241-1-1  
"combustible dust"

#### Protection index :

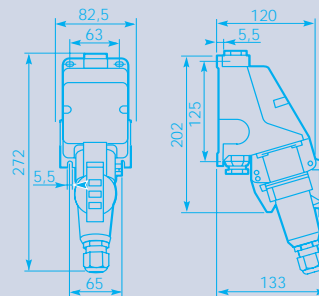
- IP66 according to EN 60529 and IEC 60529 (with or without plug connected)
- Mechanical resistance IK10 according to EN 50102

#### Operating temperature :

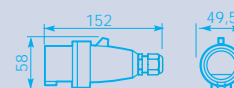
- 40°C to + 55°C

#### Dimensions (mm) :

- Wall mounting sockets :

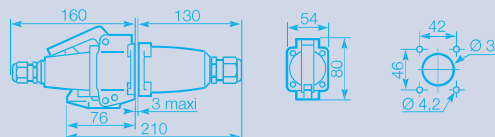


#### • Plugs

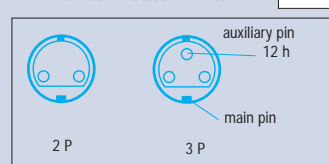


- Mobile sockets :

Can be mounted on panel 3 mm thick max.



#### Pin configurations :



#### Product features/customer benefits

- Integral automatic switch : **simple operation**
- Non-sticking silver contacts : **durability**
- Double flameproof chamber : **safe operation**