



## ATX™ PRE SERIES 16 AMP PLUGS AND SOCKETS

### FEATURES

- Plug and socket system is designed with a safe disconnect mechanism to insure maximum hazardous location protection:
  - The contact separation is in a flameproof chamber
  - The automatic electrical disconnection of each phase is contained in a second flameproof chamber
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.
- The receptacles are keyed to accept only ATX plugs (other plugs can not be inserted).
- ATX plugs can be used in non-hazardous IEC 309 sockets.
- Operating temperature of -40 °C to +55 °C (-40 °F to +131 °F)

### SUITABLE LOCATIONS

- Plugs and receptacles are used with portable or stationary electrical equipment such as:
  - Lighting systems
  - Conveyors
  - Heaters
  - Motor generators
  - Air conditioning equipment
  - Compressors
  - Pumps
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry; such as:
  - Refineries
  - Chemical and petrochemical plants
  - Pipelines
  - Loading docks
  - Onshore and offshore drilling platforms

### STANDARD MATERIALS

- Wall Socket for 2P - 2P+E - 3P: high impact resistance polycarbonate
- Wall Socket for 3P+E - 3P+N+E: high impact resistance fiberglass reinforced polyester
- Plug, mobile socket and flush socket: polyamide

### ATEX/IECEx CERTIFICATIONS AND COMPLIANCES

- Certification Type PCX (Plug, socket and mobile socket)
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex de IIC
    - Temperature Class: T6 for  $T_a \leq +40\text{ °C}$  (-40 °F) and T5 for +55 °C (+131 °F)
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T68 °C (T154 °F)
  - Impact Resistance (shock): IK10 (Polyester) and IK09 (Polyamide)
  - CE Declaration of Conformity: 50228
  - ATEX Certificate: LCIE 02 ATEX 6068
  - IECEx Certificate: IECEx LCI 04.0014
- Certification Type PCX/EN (Flush socket)
  - Gas: Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
    - Type of Protection: Ex de IIC
    - Temperature Class: T6 for  $T_a \leq +40\text{ °C}$  (-40 °F) and T5 for +55 °C (+131 °F)
  - Dust: Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓢ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T68 °C (T154 °F)
  - Impact Resistance (shock): IK09 (Polyamide)
  - CE Declaration of Conformity: 5C214
  - ATEX Certificate: LCIE 02 ATEX 0001U
  - IECEx Certificate: IECEx LCI 07.0012U
- Ambient Temperature: -40 °C  $\leq T_a \leq$  +55 °C (-40 °F  $\leq T_a \leq$  +131 °F)
- Index of Protection according EN/IEC 60529: IP66

### EURASEC CERTIFICATION

- Certification Type PCX (Plug, socket and mobile socket)
  - EURASEC N° TC RU C-FR.ГБ05.В.00910
- Certification Type PCX/EN (Flush socket)
  - EURASEC N° TC RU C-FR.ГБ05.В.00910

### OTHER CERTIFICATION

- Certification Type PCX (Plug, socket and mobile socket)
  - INMETRO Certificate: BVC11.0639 ①
- Certification Type PCX/EN (Flush socket)
  - INMETRO Certificate: BVC11.0598-U ①

① INMETRO certification available on special request only. Contact your local sales representative for more information.



For product information:  
[www.appletonelec.com](http://www.appletonelec.com)  
 1.800.621.1506



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**Wall Mounting Socket**

- Three M20 threaded entries (one on the top and two on the bottom).
- Supplied with one M20 cable gland – Ø 6.5 to Ø 14.5 mm (Ø 0.26 to Ø 0.57") and two M20 blanking plugs.
- Terminal capacity 2 x 4 mm<sup>2</sup> (0.003 x 0.006 in<sup>2</sup>). Can be through-wired.
- Fitted with three linked earth terminals.



**Plug**

- One PG16 integrated cable gland – Ø 6.5 to Ø 14.5 mm (Ø 0.26 to Ø 0.57").
- Terminal capacity 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>).



**Mobile Socket**

- One PG16 integrated cable gland – Ø 6.5 to Ø 14.5 mm (Ø 0.26 to Ø 0.57").
- Terminal capacity 2 x 4 mm<sup>2</sup> (0.003 x 0.006 in<sup>2</sup>).



**Flush Socket**

- Terminal capacity 2 x 4 mm<sup>2</sup> (0.003 x 0.006 in<sup>2</sup>).

**PRE**

IECEX Series:  
PRE - PRE Series  
Zone 1, 2, 21 and 22  
ATEX / IECEX

**2**

Pin Configuration:  
2 - 2P  
3 - 2P+E  
4 - 3P+E  
5 - 3P+N+E  
6 - 3P

**16**

Amps:  
16 - 16A

**R**

Equipment:  
P - Plug  
R - Receptacle  
(Wall Mounting)  
M - Mobile Socket  
F - Flush Socket

**P**

Voltage:  
P - 20 - 25 Vac 50/60 Hz  
W1 - 20 - 50 Vdc  
W - 40 - 50 Vac 50/60 Hz  
Y - 100 - 130 Vac 50/60 Hz  
B - 200 - 250 Vac 50/60 Hz  
R - 380 - 415 Vac 50/60 Hz  
N - 480 - 500 Vac 50/60 Hz  
G - 50 - 500 Vac 300 to 500 Hz

**ELV: Extra Low Voltage**

| Purple    | White     | White     |
|-----------|-----------|-----------|
| 20/25 Vac | 20/50 Vdc | 40/50 Vac |

**LV: Low Voltage**

| Yellow      | Blue        | Red         | Black       | Green                         |
|-------------|-------------|-------------|-------------|-------------------------------|
| 100/130 Vac | 200/250 Vac | 380/415 Vac | 480/500 Vac | 50/500 Vac<br>(300 to 500 Hz) |

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