



## ATX™ PRE SERIES 32 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 sockets are keyed to accept only ATX plugs (other plugs can not be inserted).
- ATX plugs can be used in non-hazardous sockets.

### SUITABLE LOCATIONS

- Plugs and sockets are used with portable or stationery 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: high impact resistance fiberglass reinforced polyester
- Plug, mobile socket and flush socket: polyamide

### ATEX/IEC EX 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  $T_a \leq +40^\circ\text{C}$  ( $-40^\circ\text{F}$ ) and T5 for  $+55^\circ\text{C}$  ( $+131^\circ\text{F}$ )
  - 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)
  - Index of Protection according EN/IEC 60529: IP66
  - 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  $T_a \leq +40^\circ\text{C}$  ( $-40^\circ\text{F}$ ) and T5 for  $+55^\circ\text{C}$  ( $+131^\circ\text{F}$ )
  - 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:  $-40^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$  ( $-40^\circ\text{F} \leq T_a \leq +131^\circ\text{F}$ )
- 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 M25 threaded entries (one on the top and two on the bottom).
- Supplied with one M25 cable gland – Ø 8 to Ø 18.5 mm (Ø 0.31 to Ø 0.73") and two M25 blanking plugs.
- Terminal capacity 2 x 6 mm<sup>2</sup> (0.003 x 0.009 in<sup>2</sup>).
- Fitted with three linked earth terminals.



**Plug**

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm (Ø 0.31 to Ø 0.73") for 3P+N+E versions.
- Terminal capacity 6 mm<sup>2</sup> (0.009 in<sup>2</sup>).



**Mobile Socket**

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm (Ø 0.31 to Ø 0.73") for 2P+E and 3P+E versions.
- One PG29 integrated cable gland – Ø 18 to Ø 25 mm (Ø 0.70 to Ø 0.98") for 3P+N+E versions.
- Terminal capacity 2 x 6 mm<sup>2</sup> (0.003 x 0.009 in<sup>2</sup>).



**Flush Socket**

- Terminal capacity 2 x 6 mm<sup>2</sup> (0.003 x 0.009 in<sup>2</sup>)

**PRE**  
 IECEx Series:  
 PRE - PRE Series  
 Zone 1, 2, 21 and 22  
 ATEX / IECEx Certified

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

**32**  
 Amps:  
 32 - 32A

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

**P**  
 Voltage:  
 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

**LV: Low Voltage**

Yellow	Blue	Red	Black
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac