



## Amphe-OBTS

Amphenol Industrial Products Group introduces a new power connector family, the Amphe-OBTS. This innovative connector series is designed for the next generation of base stations.

Amphe-OBTS is a circular connector based on the MIL-C-26482 series 2 with clip retention contacts. Features zinc shell construction, provides EMI shielding, is shock & vibration resistant, and uses screw termination contacts making it well suited for field installation.

We offer the Amphe-OBTS in our standard 2-way 60V DC power configuration but also manufacture a 60V DC 2-way reverse gender and a 3-way 400VDC/250V AC connector. Standard current for the two pole version is 26A per contact while the three pole version supplies 16A per contact.

Contact Amphenol Industrial Products Group for more product details.

### Features:

- UL1977 certified
- IEC 61984 and 60950-22 certified
- Zinc shell construction with tin/nickel plating
- Bayonet locking
- 26A per contact (two pole); 16A per contact (three pole)
- 360° EMI shielding
- Working temperature of -55°C to +105°C
- IP67 rated
- Receptacle with crimp contacts
- Plug with screw termination contacts for field installation
- Cable sealing range is 6-18mm OD
- UL94-V0
- ISO 21207 Method B 5 cycles for corrosion test



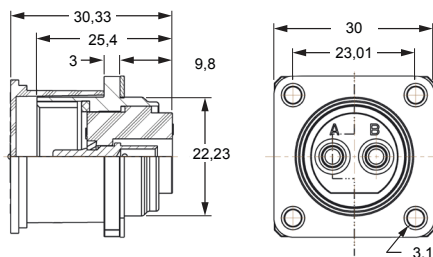
## Specifications

|                                                               |                                                                                                                |                                                                                 |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Electrical Rating</b>                                      | 2 way 26A / 60V DC<br>3 way 16A / 250V AC<br>3 way 16A / 250V AC<br>3 way 10A / 400V DC<br>3 way 10A / 400V DC | UL1977<br>UL1977<br>IEC 61984 ,60950-22<br>UL1977<br>IEC 61984 ,60950-22        |
| <b>Temperature Rating</b>                                     | -55°C to +105°C                                                                                                |                                                                                 |
| <b>Contact Termination</b>                                    | Unit Mounted Receptacle<br>Field-Installable Plug                                                              | 1mm <sup>2</sup> – 2.5mm <sup>2</sup><br>2.5mm <sup>2</sup> – 10mm <sup>2</sup> |
| <b>Overvoltage Protection</b><br>(10/350 µs Lightning Strike) | 20kA                                                                                                           |                                                                                 |
| <b>Environmental</b>                                          | Water Ingress                                                                                                  | IP67 (when mated)                                                               |
| <b>Mating Sequence</b>                                        | FMLB (First mate / Last Break)                                                                                 | Shell on 2-Way DC / Ground pin on 3-Way AC                                      |
| <b>PIM (Passive Inter-Modulation)</b>                         | PIM < -140dBc @ 38dBm                                                                                          |                                                                                 |

### All measurements are in mm.

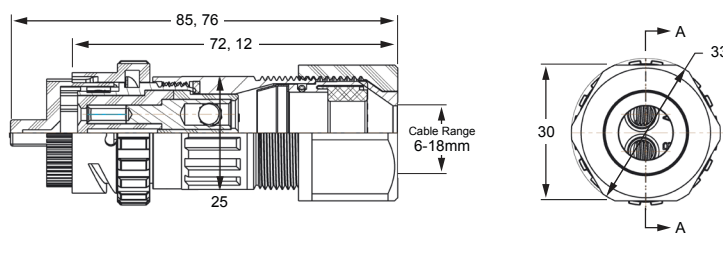
C10-730511-Z2P

2 WAY 48 V DC MALE PANEL RECEPTACLE  
IEC61984 & IEC60950-22 Certified



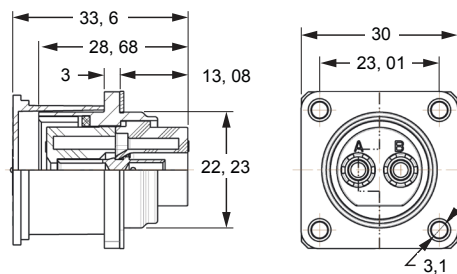
C10-730511-Z2S

2 WAY 48 V DC FEMALE STRAIGHT PLUG  
IEC61984 & IEC60950-22 Certified



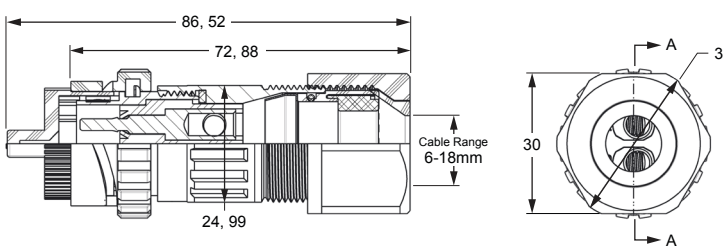
C10-730512-Z2S

2 WAY 48 VDC FEMALE PANEL RECEPTACLE  
IEC61984 & IEC60950-22 Certified



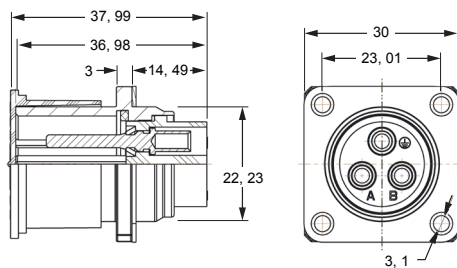
C10-730512-Z2P

2 WAY 48 VDC MALE STRAIGHT PLUG  
IEC61984 & IEC60950-22 Certified



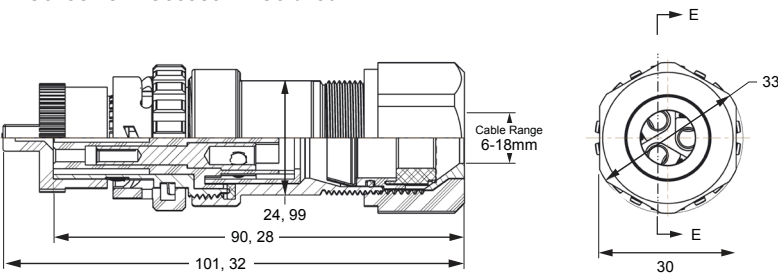
C10-730513-Z3P

3 WAY 400VDC/250V AC MALE PANEL RECEPTACLE  
IEC61984 & IEC60950-22 Certified



C10-730513-Z3S

3 WAY 400VDC/250V AC STRAIGHT PLUG  
IEC61984 & IEC60950-22 Certified



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