



SERIES 927-072

ITS-Ex IECEx/ATEX Qualified Hazardous/Explosive Zone Connectors

Glenair is a qualified manufacturer of connectors for potential explosive zone use, built IAW IECEx/ATEX standards. The connectors may be used in application areas where flammable gases and vapors are present as a normal condition of operation (group IIC) and with temperature classes T6 and T5, zones 1 and 2; and for applications where potentially flammable dust is present as a normal condition of operation (group IIIC) and with temperature classes T80°C and T95°C in zone 21 and 22. The connector series design is optimized for fast and easy crimp-contact wire termination with ample wiring space in the cable housing and accessory hardware. Glenair Series ITS-Ex complies with the following standards:

- EN 60079-0 : 2012, "Explosive Atmospheres - Part 0: Equipment - General Requirements".
- EN 60079-1: 2014, "Explosive Atmospheres - Part 1: Equipment protection by flameproof enclosures 'd'".
- EN 60079-14: 2014, "Explosive Atmospheres - Part 14: Electrical Installations Design, Selection and Erection.
- EN 60079-31: 2014, "Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure 't'".
- IEC 60079-0: 2011, "Explosive Atmospheres - Part 0: Equipment - General Requirements".
- IEC 60079-1: 2014, "Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures 'd'".
- IEC 60079-14: 2013, "Explosive Atmospheres - Part 14: Electrical Installations Design, Selection and Erection.
- IEC 60079-31: 2013, "Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure 't'".
- For panel mount complies also with: EN/IEC 60079-7: 2015, "Explosive Atmospheres - Part 7: Equipment protection by increased safety 'e'".

- Over 40 power and signal contact arrangements
- Full support for common armored and unarmored cable types
- MIL-DTL-5015 crimp-contact derivative solution
- Locking set screw-equipped coupling nut and protective safety covers
- Extended shell labyrinth cooling zone and potting chamber features
- Mechanical cable clamp, basket weave, and Ex d cable gland accessories
- IP68 water, vapor, moisture and dust protection in mated condition