REVERSE-BAYONET QUICK-DISCONNECT

Super ITS-NG Nuclear-Grade Connectors

Pressure-tight, submersible power and signal connectors for nuclear plant refurbishment and repair applications

Glenair ITS-NG series quick disconnect connectors are designed to meet or exceed severe application requirements for Generation II nuclear power plants and are suitable for equipment retrofit and refurbishment applications in Gen II plants. These industry-standard reverse bayonet quick disconnect connectors offer fast and reliable mating and unmating for demanding plant applications. The Super ITS-NG series is Glenair's high-performance equivalent of the stainless MIL-DTL-5015 (VG95135) ADVANCED PERFORMANCE connector variant used across Gen II nuclear plant applications. The popular series offers hundreds of crimp-contact power and signal insert arrangements (see Appendix) with silver or gold-plated contacts.

All materials meet cumulative radiation, thermal, seismic, and pressure-induced stress factors for Gen II plant class 1E harsh nuclear environments. Polymeric insert materials deliver maximum radiation and temperature resistance, as well as meeting the most recent extended plant-life requirements (activation energies available). SS shells and radiation-resistant organic components are manufactured in accordance with Glenair's NQA-1 10CFR50 Appendix B quality program. Full traceability of materials and processes according to NQA-1 and 10CFR50 Appendix B.

Discrete connectors, turnkey cable assemblies, plus customer-installable nuclear-grade shrink boots available

- **Fast connect / disconnect reverse-bayonet coupling**
- **Stainless steel shells, bodies, and signature high-performance rubbers and epoxy**
- **Radiation, chemical and moisture-resistant inserts and replaceable O-rings—aging life 60 years**
- **Performance tested for long term temperature, radiation, and seismic stress factors**
- **Ideally suited for power generation monitoring, valve control devices, sensors, and other electronic equipment in Generation II plant Class 1E harsh nuclear / safety-related applications**

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Dimensions in millimeter (inches) are subject to change without notice.