

MS/Standard Cylindrical, cont.

MIL-C-5015, Classes A, C, E, F, R

Reference Catalog 12-020



APPLICATION	STANDARDS/REQUIREMENTS	COUPLING/MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<u>Military MS310()</u> . <u>Proprietary designation: 75-</u> . Environmental resistant and general duty cylindricals with resilient neoprene inserts.	MS versions produced in strict accordance with MIL-C-5015. Class A: general usage, Class C: Pressurized, Class E, F & R: environmental.	Threaded coupling.	MS versions are solder. Non-MS versions in closed socket or front release crimp contacts or solder contacts.	Operating temp. from -55°C to +125°C. Resilient inserts provide high dielectric strength and moisture barrier. IP67 performance in environmental versions. Operating voltage to 3000 VAC (RMS) at sea level.

OPTIONAL FEATURES

- 5 shell styles with 286 insert patterns.
- Hermetic configurations available.
- Standard OD cadmium finish, optional finishes include non-cadmium zinc alloy.
- Coax, thermocouple and PCB contact options.
- Variety of backend accessories.

MARKETS

- Heavy Equipment/Off Road Vehicles
- Mass Transportation
- Power Generation

Matrix® MIL-C-5015, Classes L, W, LS, Firewall KT and KS

Reference Catalog 12-026



APPLICATION	STANDARDS/REQUIREMENTS	COUPLING/MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<u>Military MS345()</u> . <u>Proprietary designation: 944-</u> . Environmental and firewall applications, with crimp rear release contacts and complete environmental sealing.	MS versions produced in strict accordance with MIL-C-5015. Classes L & W: aluminum. Class LS: stainless steel. Classes KT & KS: firewall, stainless steel. All classes have fluid resistant inserts.	Threaded coupling. Self-locking threaded plug available with an internal ratcheting mechanism. Quick disconnect plug available.	Crimp rear release termination.	Operating temp. from -55°C to +200°C. Completely environmentally sealed with contact seals, gaskets, wire seals and insert-to-shell seals. IP67 rating for environmental sealing. Stainless style firewalls withstand higher temperatures. Self locking plug stays mated under higher vibration. Operating voltage to 3000 VAC (RMS) at sea level.

OPTIONAL FEATURES

- 4 threaded shell styles with 172 insert patterns.
- Self-locking plug available with an internal ratcheting mechanism to prevent unmating due to vibration and shock, eliminating the need for safety wiring.
- Proprietary quick disconnect plug is available with/without lanyards.
- Additional Classes offered with black anodize or electroless nickel finishes.
- Options for thermocouple and socket contacts are available.

MARKETS

- Heavy Equipment/Off Road Vehicles
- Mass Transportation
- Power Generation

MIL-C-5015 Modifications

Reference Catalog 12-021



APPLICATION	STANDARDS/REQUIREMENTS	COUPLING/MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Proprietary supplements to MS5015 series. Use the same MIL-C-5015 inserts, but offer some additional special arrangements. <u>FP3106 plug, 10-part numbers and SC potting types are Solder, 10-214 Series are Crimp.</u>	Offer same electrical ratings and characteristics of MIL-C-5015 MS versions. 10-214 Series designed to accommodate Navy controlled multi-conductor armored cable per MIL-C-915 or MIL-C-2194.	Threaded coupling.	Solder and crimp termination.	Operating temp. from -55°C to +125°C. Resilient inserts provide high dielectric strength and moisture barrier. Some styles have axial compression type clamping nut that provides strain relief and cable sealing. IP67 performance in environmental versions. Operating voltage to 3000 VAC (RMS) at sea level.

OPTIONAL FEATURES

- Several receptacles and plug types designated as MS Modifications, incorporating MIL-C-5015 inserts.
- Some styles meet Class A general duty specifications, some meet Class C, pressurized specifications.
- Some styles have primed inserts and potting boots that provide for customer applied potting compounds.
- Variety of shell finishes.

MARKETS

- Heavy Equipment/Off Road Vehicles
- Mass Transportation
- Power Generation