

## ITS 500 Series

### Reverse Bayonet Single Pole Power Connector

#### Technical Characteristics



ITS 500 Series derives from an important Military Specification for Power Connectors: VG96929. Suitable for harsh environmental conditions, ITS 500 accepts cable gauges AWG 3/0 to 444MCM (95-240 mmq), for current up to 750 Amp.

Special insulator drawing allows high working voltage, up to 3000 Vcc.

Suitable for jacketed cables, with or without conduit protection.

Receptacle with finger protection (Load side).

ITS 500 meets the most important rail requirements and specifications:

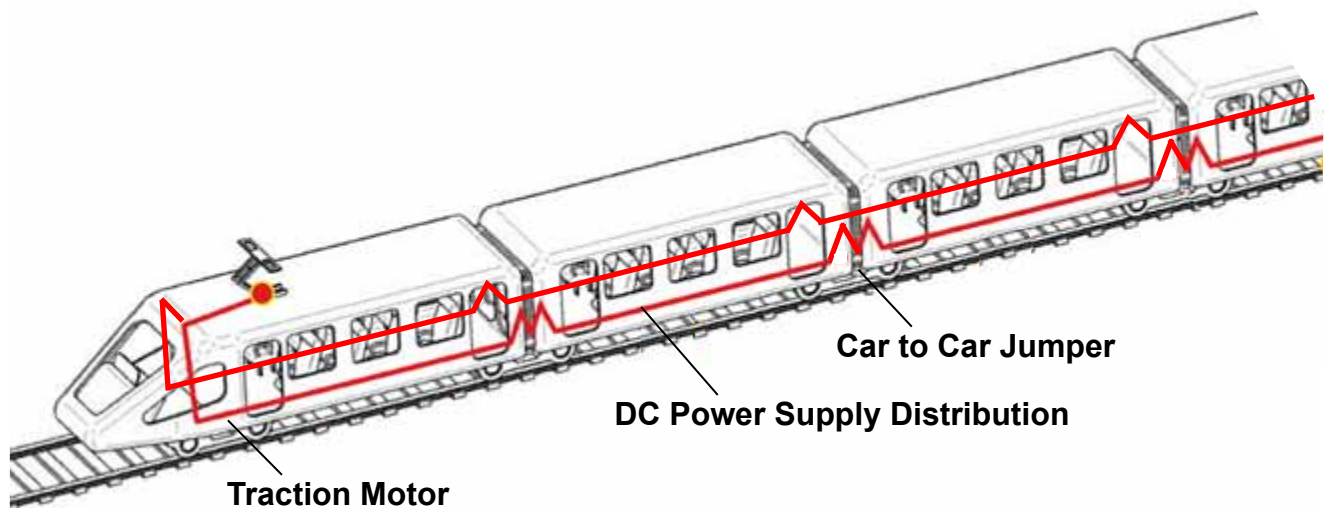
- 500 Mating Cycles;
- Salt Spray Test Corrosion: 500 hours;
- Shock and Vibrations for Under-Car and Car-To-Car Applications;
- IP67 Sealing (Coupled Connectors);
- Fire Resistant and RoHS Compliant Materials.



Plug Connector



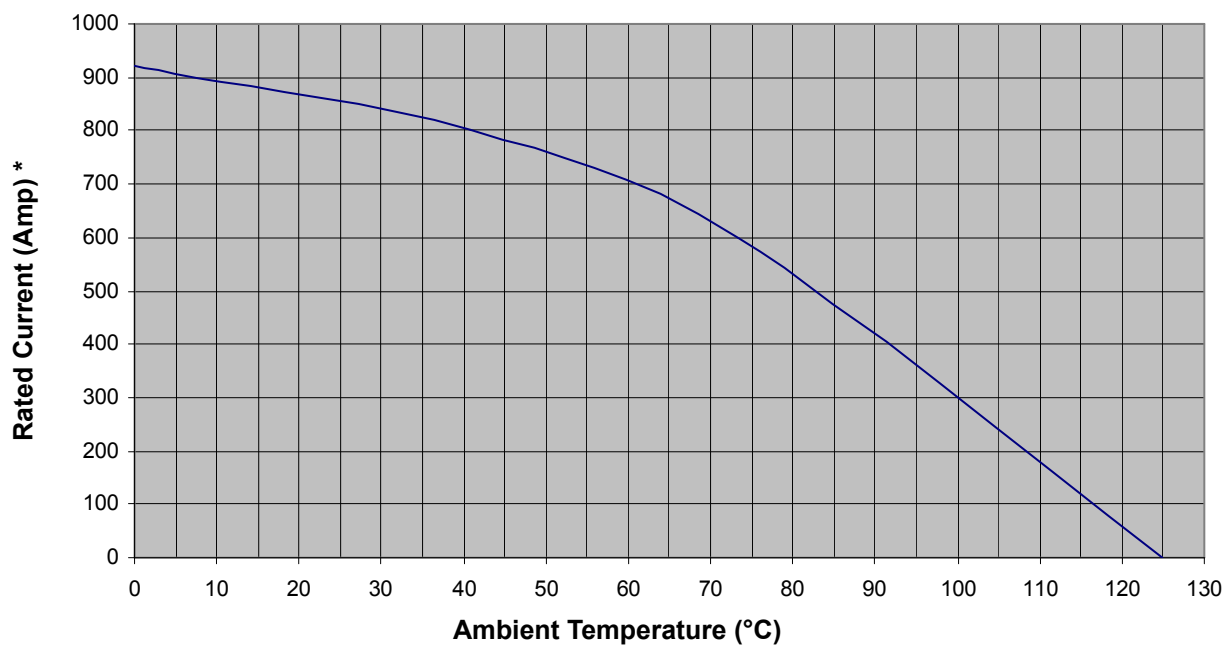
Receptacle Connector



### Procedures Table

| Description                | Procedure                     |
|----------------------------|-------------------------------|
| Electrical Characteristics | CEI EN 50124 and CEI EN 60077 |
| Environmental Conditions   | CEI EN 50125                  |
| Water Protection           | CEI EN 60529                  |
| Shock and Vibration        | CEI EN 61373                  |
| Corrosion Protection       | VG 95210 - 2                  |
| Fire Protection            | UNI CEI 1170 - 3              |
| Mating Cycles              | VG96929                       |

### Rated Current Graphic



\* According with Cables Section

**Minimum Creepage Distance:** 39 mm (Contact to Contact and Contact to Ground)

**Minimum Clearance in Air:** 18 mm (Contact to Contact and Contact to Ground)