

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:

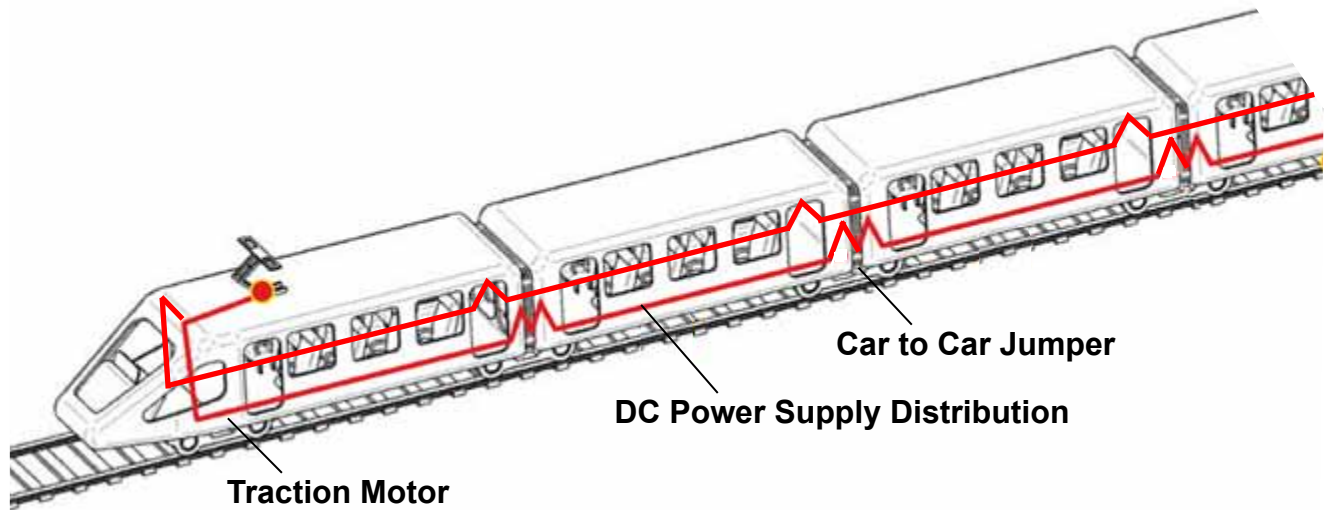
- 500 Mating Cycles;
- Salt Spray Test Corrosion: 500 hours;
- Shock and Vibrations for Under-Car and Car-To-Car Applications;
- IP67 Sealing (Coupled Connectors);
- Fire Resistant and RoHS Compliant Materials.



Plug Connector



Receptacle Connector





ITS 500 Series

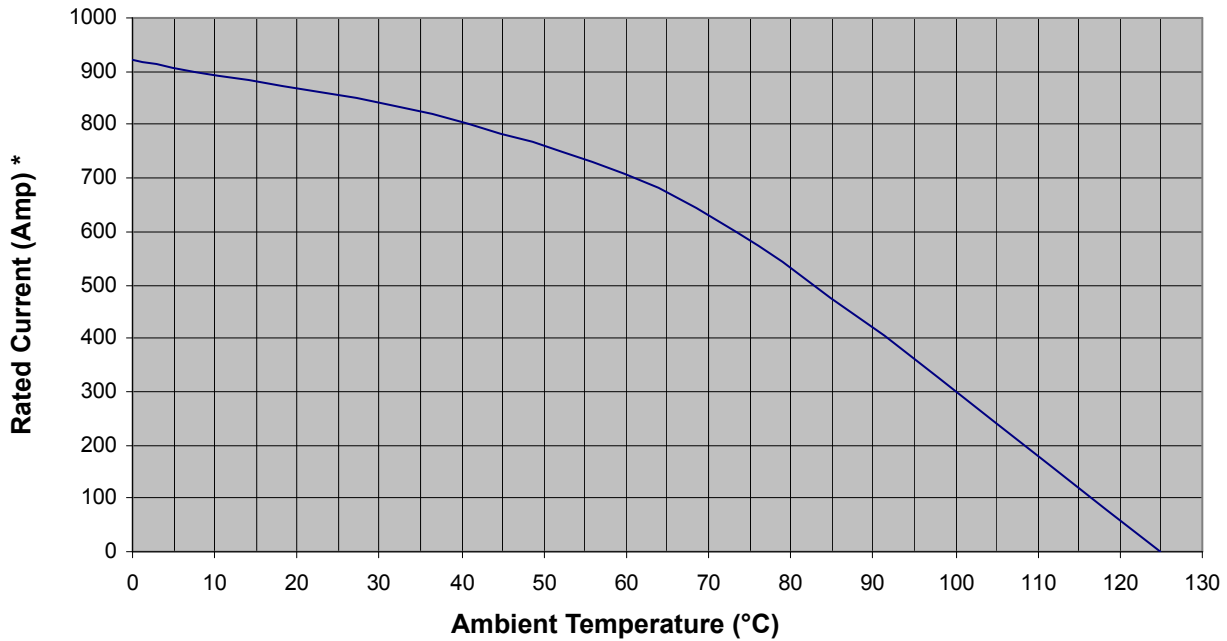
Introducing the Single Pole Power Connector

Technical Characteristics

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)