

IRT Series Rectangular Multi Pole Power Connector Technical Characteristics



The Glenair IRT series is a rectangular power connector for harsh environmental conditions. Available with three, four and six contacts, typical for traction motor applications. Suitable for single cables AWG 4 – 373MCM (35 to 185 mm²). Working voltage up to 3000 Vcc.

Two mating systems offered:

- Screws, for light weight and reduced dimensions
- Lever system with secondary lock, easy to use in difficult positions.

The IRT Series is suitable for separated power cables, with or without screen, ground body available with a copper plait (not supplied with the connector).

Available with three different cable backend styles:

- Metallic Gland
- Clamp with Strain Relief
- Screen EMC Gland

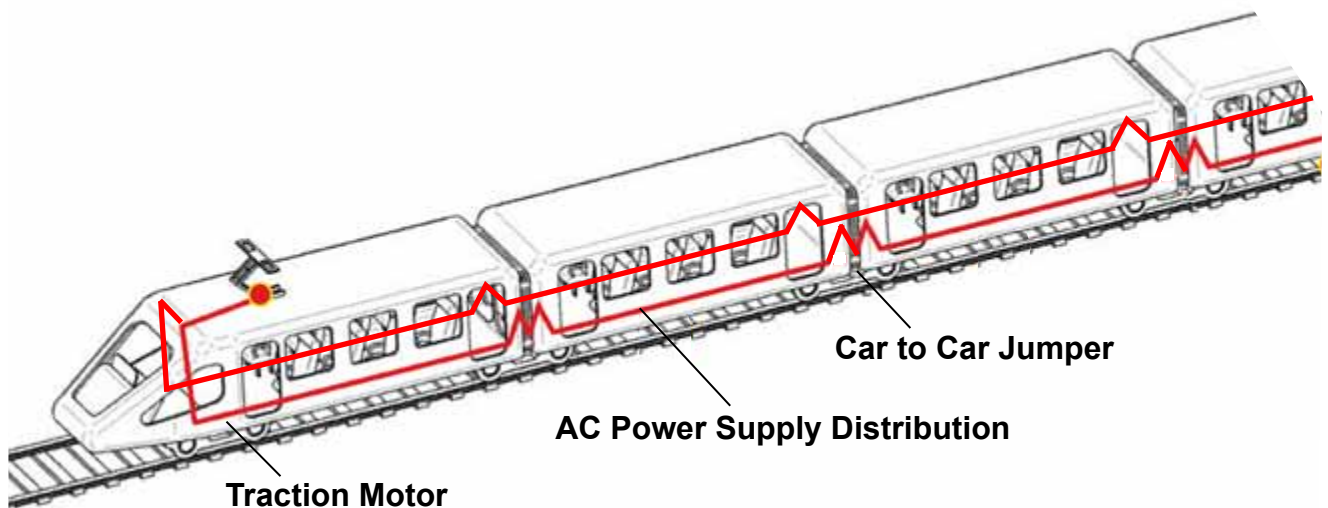
IRT series connectors meet the most important rail requirements and specifications.



Plug Connector



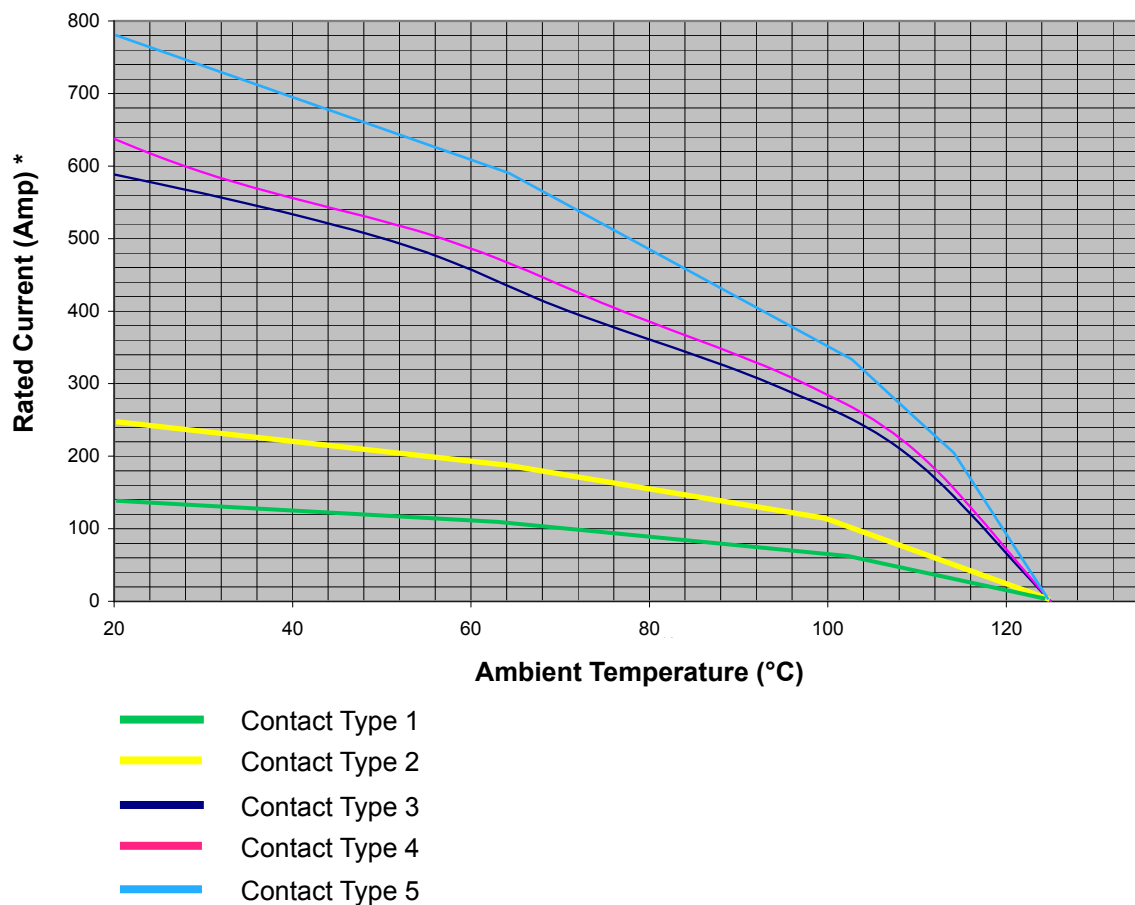
Receptacle Connector



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