

### ITT VEAM CIR Series Connectors Product Overview

#### Features & Benefits

- Bayonet coupling - Reverse Bayonet 5015 style connector
- Vibration 20G's and Shock 50G's
- Military specification VG95234 where applicable
- Manufactured with flame retardant compound compliant to EN45545 - HL3- R22-R23
- Different contacts for signal and power applications
- Solder and crimp contacts from AWG 26 to special version (240 mmq) with silver or gold plating
- Coax, Twinax,PCB,MWW and thermocouple contact options
- Surface plating - up to 500 hours salt spray resistance ROHS compliant
- Available from 1 to 159 poles & 256 different layouts
- From 7.5 to 350 Amps
- IP67 when mated with appropriate accessories
- Available in aluminium alloy, stainless steel and marine bronze
- Different types of accessories (backshell with UNEF, PG and metric thread; adapters for plastic tubes)

#### Rail Applications

- Switches
- Train Control
- Electric Couplers
- Converters / Inverters
- Battery Chargers
- Brake/Speed Sensors
- Power Distribution
- Automatic Doors
- Intervehicle
- HVAC
- Signaling

#### ITT VEAM CIR/FRCIR Configurations

- Shell Styles
  - 01 Inline Receptacle
  - Front or Rear Panel Mount Square Flange Receptacle
  - 070 Jam Nut Receptacle with Rear Threads
  - 06 Straight Plug
  - 06GG Straight Plug With Rubber Covered Coupling Nut

#### General Specifications

1. Quick coupling and uncoupling 120° coupling nut rotation.
2. High shock 50 g's and vibration resistance 20 g's - Lockwires not required.
3. No coupling threads to gall or bind due to wear or contamination
4. Audible, Visual, and Tactile indication of full coupling.
5. Waterproof to 10 meters (33 ft.) 16 Hours (14.22 PSI)
6. 2,000 couplings min.
7. Elastomer temperature ranges:
  - - 55° C. to + 125° C. Neoprene
  - - 55° C. to + 200° C. Silicone
  - - 25° C. to + 200° C. Viton® Dupont
  - - 40° C. to + 125° C. FR (flame retardant)

Shells
Material: Aluminum alloy. Options include stainless steel, bronze and plastic composite.
SCP Available Finish: Epoxyurethane Varnish (T39). Additional ITT Finish: Non-cadmium (Green-T100), (Black-T108) Electroless Nickel (T29), and Cadmium-olive drab (T3), Hard Black Anodize (T89)
Inserts
Material: Polychloroprene (Neoprene). Options include silicone, fluorocarbon (Viton*) and FR (Flame Retardant) rubber.
SCP Available Material: FR (Flame Retardant) rubber.
Contacts
Material: Copper alloy or thermocouple alloys.
Finish: Silver (T9) and gold (standard - T12, heavy -T112) plating.
Additional Information
ITT VEAM CIR Series Connectors are produced in accordance with NATO Standard VG95234, which is based on MIL-DTL-5015 for physical size, layout and environmental requirements.

