

Power VIP

Delivering a fast and safe inter-connection system for high power train converters!

The Challenge

The challenge introduced was the need to find a fast and safe inter-connection system for high power train converters. This had to include a solution for a connector that allows the current converters on trains to be quickly connected and disconnected safely.

The Engineered Product Solution

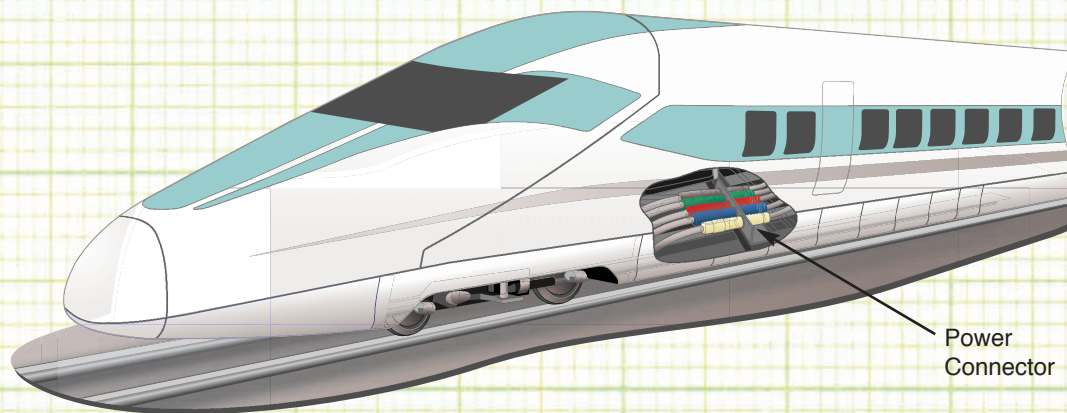
ITT ICS has answered this challenge by providing the new Power VIP connector. This connector is the only connector on the market which can meet these requirements for a quick connect and disconnect function. This connector was designed by engineers to meet the fast and secure system inter-connection that replaces a fixed insulator power system.

Innovative Interconnect Benefits

- The threaded double start locking mechanism provides quick connect and disconnect
- Meets all the latest Railway Standards on smoke and fire protection (I2F2)
- The right angle plug allows a significant space saving value
- User protected from electrocution with finger protected contacts

Attributes and Values

1. Easy to terminate with no special tooling required. The lug termination caters for all known industry cables from 70 to 240 sq mm.
2. The 360 degree right angle back-shell not only saves space but is compatible with a wide variety of cable clamps, depending on the application.
3. The contacts come with multi-point bands ensuring low contact resistance and good performance up to 700 amps.
4. The threaded coupling system ensures continuity in the harshest of environments.



Applications

- Train Current Converters
- Mobile Generators
- Power Transmission
- Distribution Panels

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