



ORV3 (OPEN RACK VERSION 3) IT GEAR POWER INPUT SOLUTION

TE Connectivity's (TE) new ORV3 (Open Rack version 3) IT Gear Power Input solutions can provide lower power consumption in power distribution applications. This solution was specifically designed to meet Open Compute Project (OCP) application requirements but can often be used where a 100A+ connection is needed. These IT Gear solutions use less current than 12V solutions, therefore lowering system operating cost due to lower i^2r losses. Better heat dissipation can provide lower power losses, saving overall power consumption costs in the end application. Our versatile product offering includes a screw mount and new toolless mount feature allowing for multiple panel attachment options with or without hardware. IT Gear power input solutions can be used in a variety of data center rack applications including power to Server, Storage, Switch and other IT Gear equipment.

APPLICATIONS

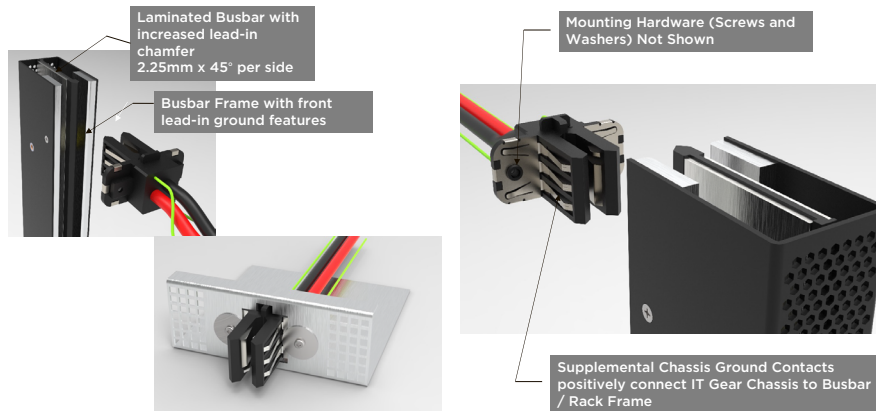
- Open Compute Project (OCP) reference designs
- Power input to rack IT Gear equipment
- Power shelves
- Battery backup (BBU) shelves
- IT trays / cubby shelves
- Server sleds

KEY BENEFITS

- Design supports OCP ORV3 Applications - IT Gear solutions were designed for next-generation 48V application requirements including Open Rack v3.0 Standard reference designs
- Enhanced Next-Gen Solutions -New sense contact enables hot swap circuitry for system protection. Connector housing lead-in avoids mating misalignment and related connector damage when plugged onto busbar. New chassis ground provides supplemental grounding for system fault protection
- Power Efficiency - Design for 100A+, 48V solutions use less current than 12V solutions, therefore lowering system operating cost due to lower i^2r losses. Better heat dissipation can provide lower power losses, saving overall power consumption costs in the application
- Product Versatility - Screw mount and new toolless mount allows for multiple panel attachment options with or without hardware. IT Gear solutions can be used in a variety of data center applications including power, BBU and "cubby" shelves

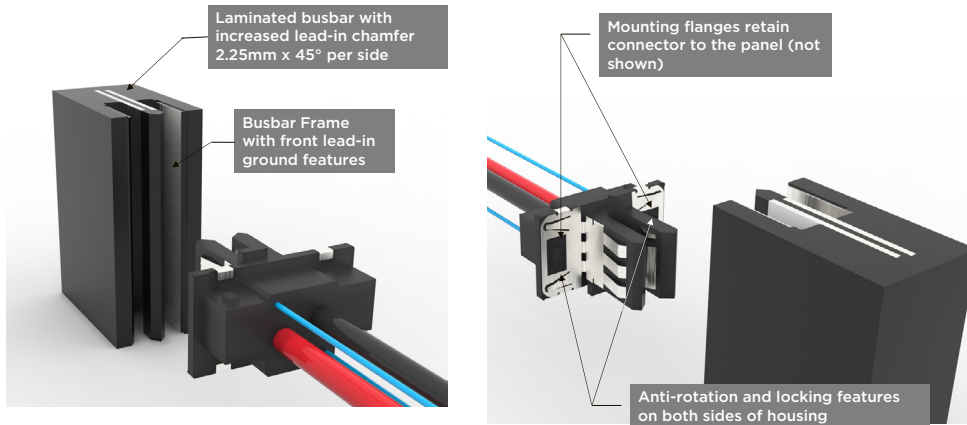
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IT Gear Connector Screw Mount and Laminated Busbar



8

Toolless Mounted IT Gear Connector



Description	Cable Length (MM)	TE Part Number
Cable Assembly, 48V, ORv3 IT Gear, No Sense Contact, No Chassis Ground Contact	100	2389779-1
Cable Assembly, 48V, ORv3 IT Gear, With Sense Contact, No Chassis Ground Contact	100	2389779-2
Cable Assembly, 48V, ORv3 IT Gear, No Sense Contact, With Chassis Ground Contact	100	2389779-3
Cable Assembly, 48V, ORv3 IT Gear, With Sense Contact, With Chassis Ground Contact	100	2389779-4
Cable Assembly, 48V, ORv3 IT Gear, With Sense Contact, With Chassis Ground Contact	100, 200	2389779-5

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