

Ethernet Ingress Protection

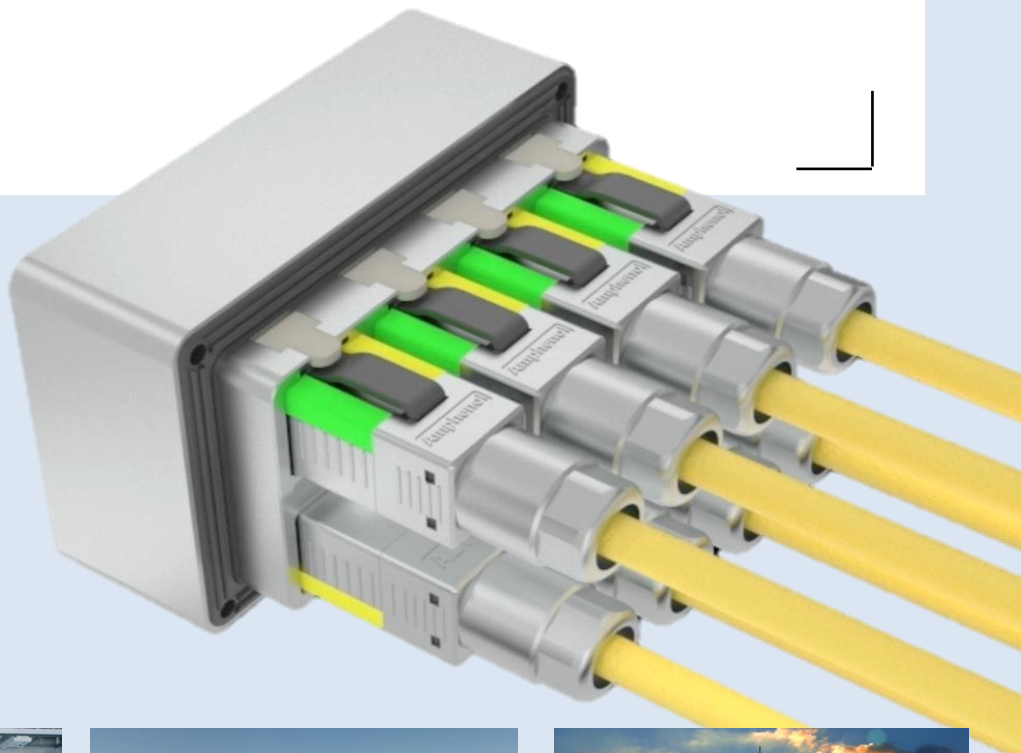
Product Overview



EIP™ World Smallest Push-Pull RJ45 With POE

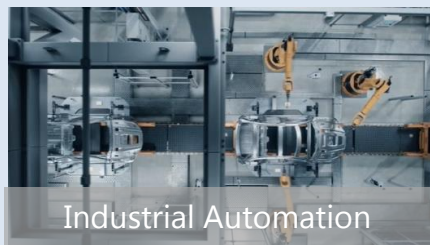
Lower Cost Alternative To M12 D & X Coded

Amphenol LTW's **EIP™** is the world first and smallest form factor push-pull RJ45 with POE compliant to **EN45545-2**, **EN61373**, **MICE3** and **IPx8 (mating & unmating)** and **IP69K**. EIP meets Cat.5e (1Gbps) and Cat.6a (10Gbps) high data speed transmission enabling fast connection and disconnection, saving over 30% space and 80% installation time vs. M12 threaded connector.

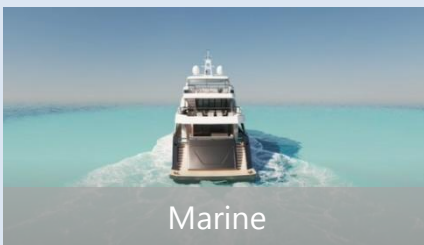


Coming Soon

Applications



Industrial Automation



Marine



Broad Band Wireless



Train / Railway



Test & Measurement

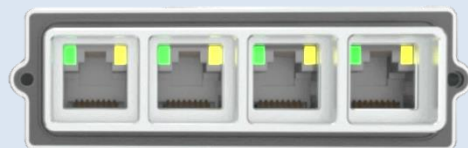


Military Equipment

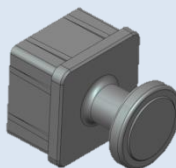
EIP™ - Receptacle (single/dual)



2x4 (Dual)



1x4 (Single)



Cap





Adaptor:
EIP to M12
X-Code



Adaptor:
EIP to RJ45
Jack

Specifications

- ✓ IPX8 (1M 24hrs, unmated)
- ✓ MICE3 compliant *
- ✓ EN45545-2 and EN61373 compliant **
- ✓ Backward compatible to standard RJ45 plugs
- ✓ LED indicators ( / )
- ✓ Optional transformer available



* Mechanical / IP / Chemical / EMC / Level 3

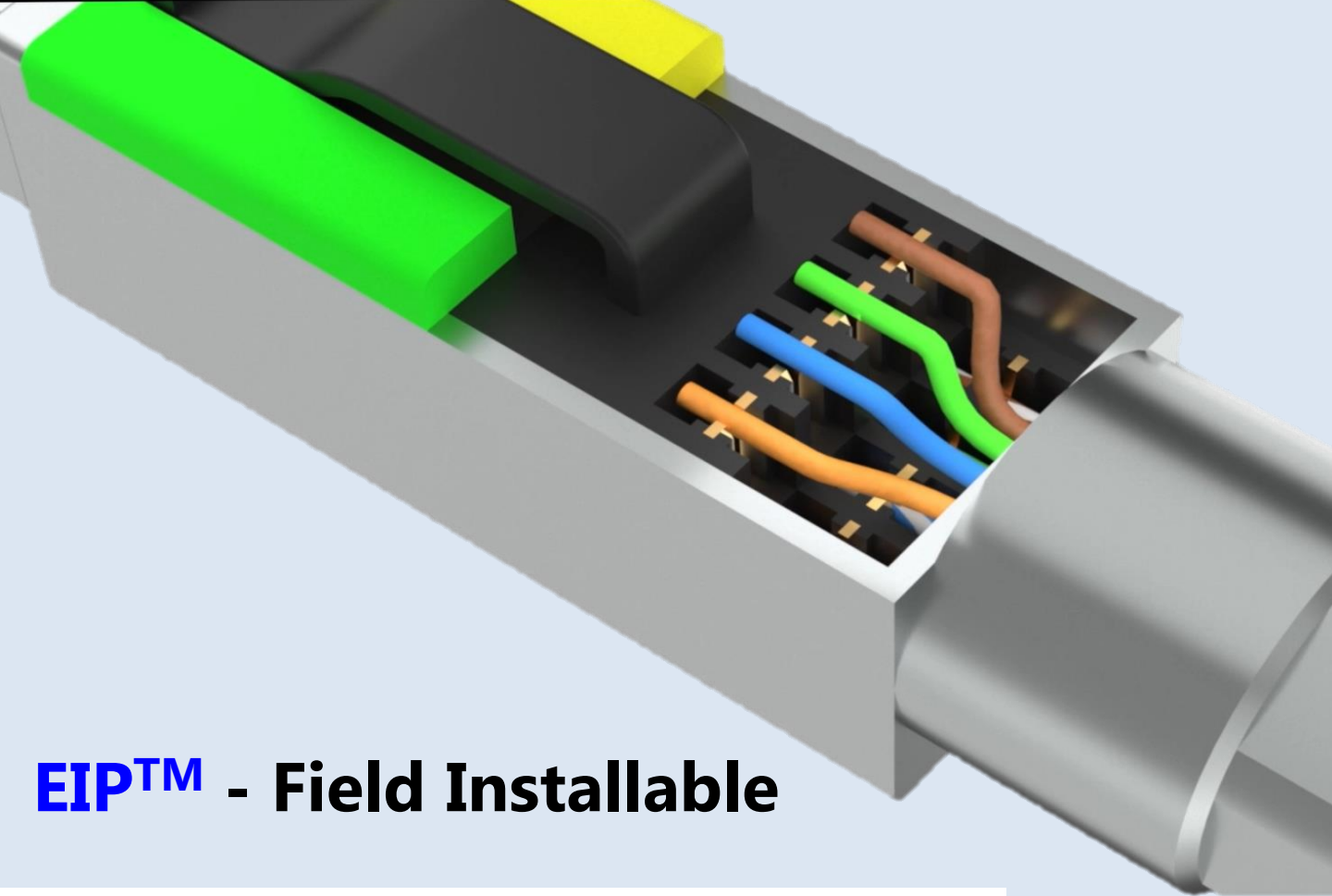
** Shock and vibration test for railway application

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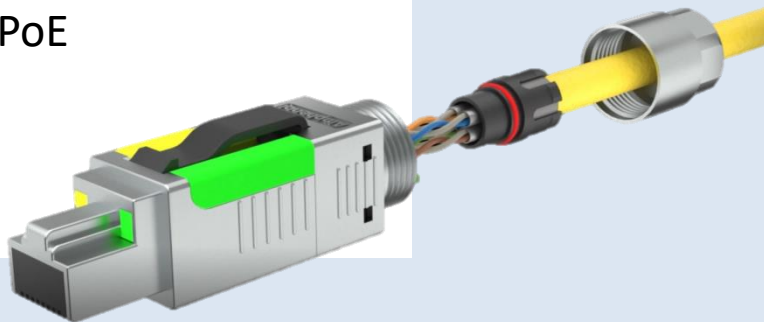
Amphenol LTW



EIP™ - Field Installable

Specifications

- ✓ IPX8 (1M 24hrs, mated), IPX9K (mated)
- ✓ MICE3 compliant *
- ✓ EN45545-2 and EN61373 compliant **
- ✓ Built-in LED light tube
- ✓ Cat.5E / Cat.6A (10Gbps) and PoE
- ✓ IDC termination
- ✓ Push to lock, Latch to unlock



* Mechanical / IP / Chemical / EMC / Level 3

** Shock and vibration test for railway application

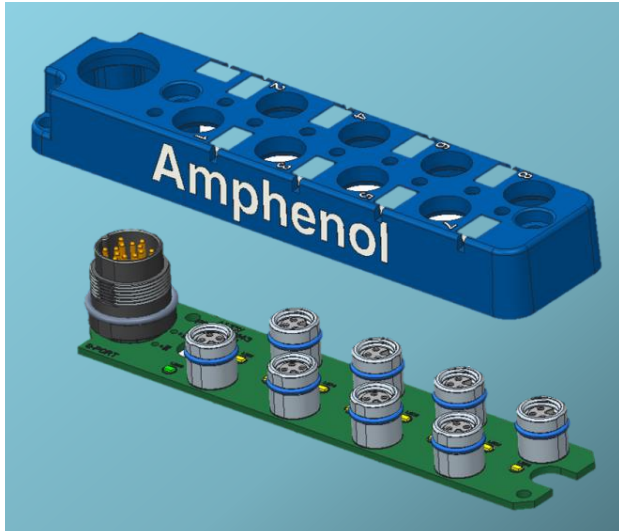
EIP™

Advantages & Benefits



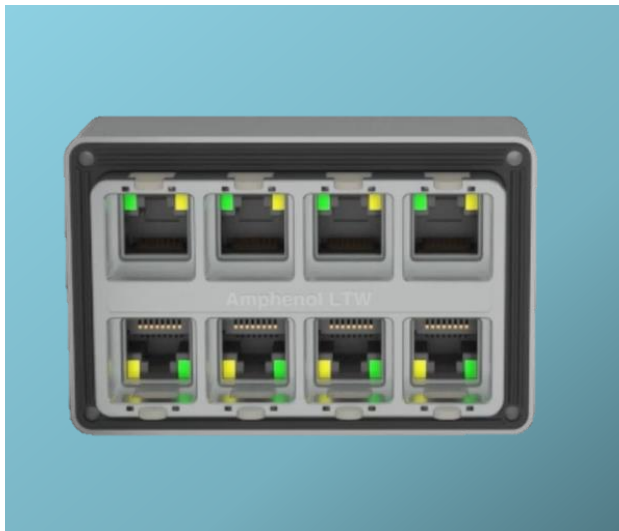
EIP™ Advantages & Benefits

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M12 Issues in manufacturing

- Tolerance of each component difficult to control thus creating waterproof & termination crack issues
- Orientation of termination alignment with PCB board difficult
- Engagement among top case / PCB / connectors leading to high fallouts
- Multiple termination / assembly processes complicated and costly



EIP™ Modularized design

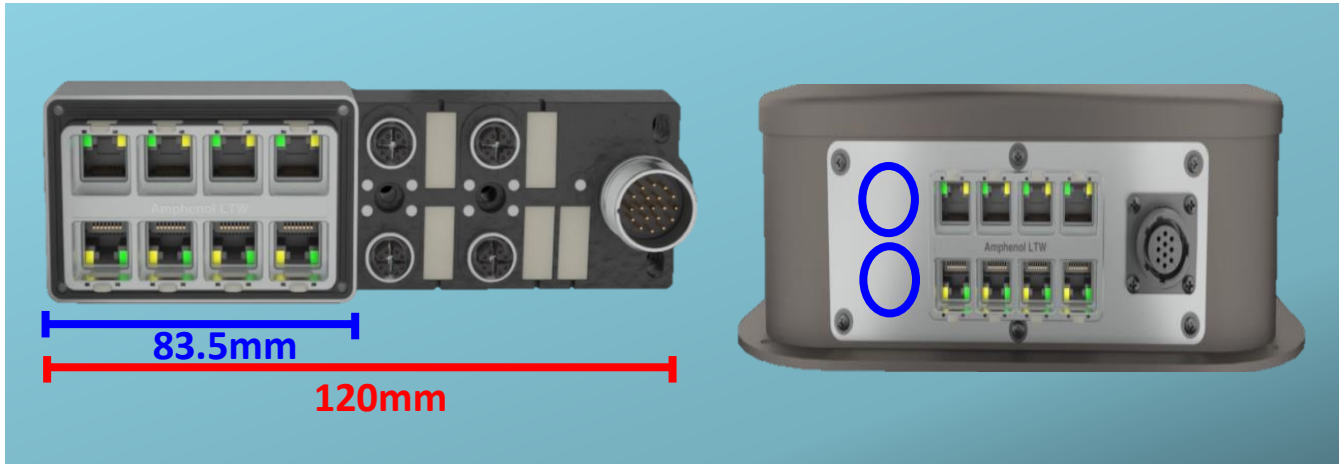
- Only solder into recommended PCB layout
- Assembly onto the panel with screw
- IPX8 unmated waterproof
- Space saving
- Worry free for waterproofing and high cost of manufacturing associated to M12

Know more
benefits >>

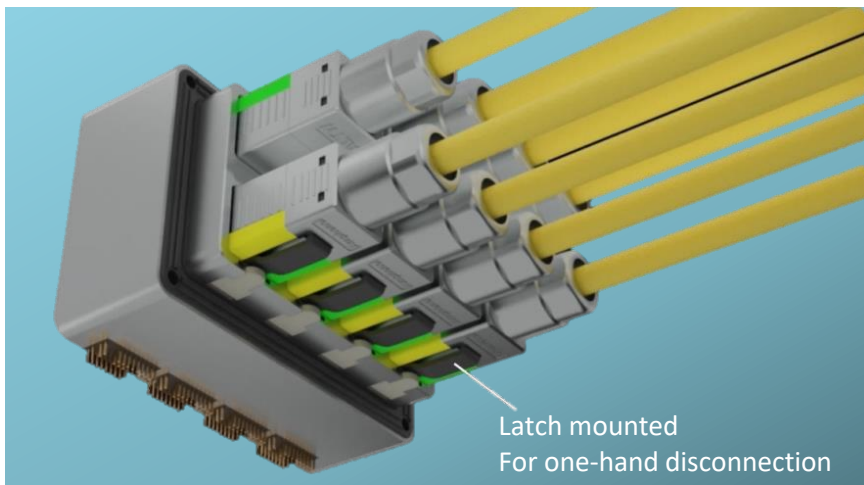


EIP™ Advantages & Benefits

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- Modularized design (12 & 16 ports available upon request)
- **Additional connectors** can be integrated
- **30% less width** vs. M12 distribution box ⇒ cost effective than M12
- Save over 80% installation time vs. M12 screw thread
- Easy & fast to connect and disconnect
- Panel/Face-plate **can be tailor-made with other connectors**
- High data transmission up to 10 Gbps and PoE



Know
more >>



Best Solution from Amphenol LTW

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Unrivaled InterConnects for Harsh Environments