

INDUSTRIAL MINI I/O FIELD INSTALLABLE CONNECTOR CAT6A

TE Connectivity (TE) Industrial Mini I/O connector can be used in Cat6A Ethernet connections where fast and flawless field installation is an important requirement. It can be connected to the cable without special tools and can accommodate 8-wire AWG24/26 cables.

The Industrial Mini I/O connector system is a compact, wire to wire and wire-to-board solution for reliable serial, bus, and Ethernet connections in industrial applications. Measuring only one quarter of the size of conventional RJ45 plugs, the Industrial Mini I/O connector provides space saving on a PCB – space that can now be used more efficiently.

The connector automatically cuts off the wire at the optimal length during contacting guaranteeing optimal transmission performance. To meet current network data rates. Cat5e (1Gbps) and Cat6A (10 Gbps) variants are available. Both Type I (D-Mating Interface) and Type II (U- Mating Interface) are available to prevent connector mis-mating.

BENEFITS

- Field installable technology enable easy, quick and error free installation
- Camera and other high-speed peripherals can be connected and supported via Mini I/O and PoE

Industrial Mini I/O Field Installable Connector Cat6A

APPLICATIONS

- Robotics
- Machinery
- Drives
- Motors
- Distributed peripherals

MECHANICAL

- Operating temperature: -40 °C ~ 105 °C
- Durability: 750 cycles tested
- Cable retention force: 100N

MATERIALS

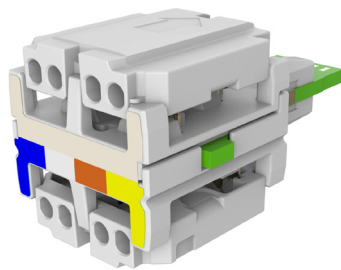
- Die cast housing
- Contact: Copper alloy

ELECTRICAL

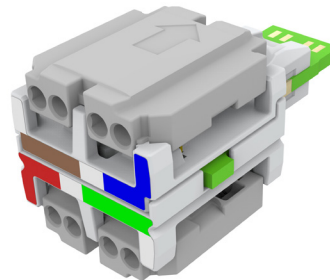
- Current rating: 0.75A
- Voltage rating: 60Vdc, 50Vac
- Cat5e / Cat6A transmission

STANDARD

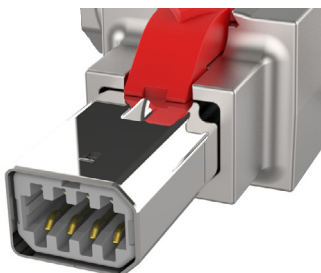
- EIA364
- IEEE 802.3
- IEC 61076-3-122



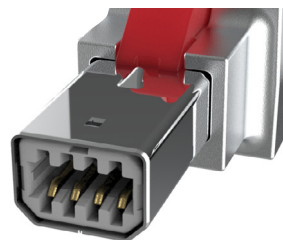
Mini IO Cat5e
2x2 AWG 24/26



Mini IO Cat6A
4x2 AWG 24/26



Type I (D)
Mating Interface



Type II (U)
Mating Interface

Industrial Mini I/O Field Installable Connector Cat6A

PART NUMBER LIST

Part Description	Part Number	Packaging
Mini I/O Field Installable Connector Cat5e (2x2 AWG24/26) Type I (D)	1-2350304-1	Bulk
Mini I/O Field Installable Connector Cat5e (2x2 AWG24/26) Type I (D)	2350304-1	Single
Mini I/O Field Installable Connector Cat5e (2x2 AWG24/26) Type II (U)	1-2350304-2	Bulk
Mini I/O Field Installable Connector Cat5e (2x2 AWG24/26) Type II (U)	2350304-2	Single
Mini I/O Field Installable Connector Cat6A (4x2 AWG24/26) Type I (D)	1-2350310-1	Bulk
Mini I/O Field Installable Connector Cat6A (4x2 AWG24/26) Type I (D)	2350310-1	Single
Mini I/O Field Installable Connector Cat6A (4x2 AWG24/26) Type II (U)	2350310-2	Bulk
Mini I/O Field Installable Connector Cat6A (4x2 AWG24/26) Type II (U)	1-2350310-2	Single

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