21700605

DATA SHEET

Valid from: 08.02.2019

ED-IE-AX-5-PN-20-FC



Product description

- Field mountable Industrial Ethernet RJ45 connector with color coding acc. to PROFINET standard
- Connector acc. to IEC 60603-7-51
- Suitable for industrial applications, structured cabling for office building applications, data centers and home networks



General properties

Ambient temperature -40 to +85 °C

Protection degree IP 20

Outer diameter, cable 5.0 – 9.0 mm Outer diameter, wire 1.0 – 1.6 mm

Termination cross section, stranded, 7 wires AWG27/7 - AWG22/7 Termination cross section, solid AWG24/1 - AWG22/1

Mechanical properties

 Insertion force
 ≤ 30 N

 Mating cycles
 ≥ 750

 Cable extraction force (assembled connector)
 ≥ 50 N

Electrical properties

Contact resistance $\leq 20 \text{ m}\Omega$ Insulation resistance $\geq 500 \text{ M}\Omega$ Proof voltage, contact-contact $\geq 1000 \text{ V}$, DC
Proof voltage, contact-shield $\geq 1500 \text{ V}$, DC

Current carrying capacity at 50 °C 1 A
Suitable for Power over Ethernet+ ja

acc. to IEEE 802.3at:2009

Materials

Connector housing, base material die-cast zinc

Connector housing, surface Ni Contacts, surface Au

Transmission characteristics

Category (ISO) 5 (Profinet Installation Guideline)

6_A (Product Standard RJ45-connector)

Standards

Product standard RJ45 connector acc. to IEC 60603-7-51

Generic cable systems Profinet Installation Guideline

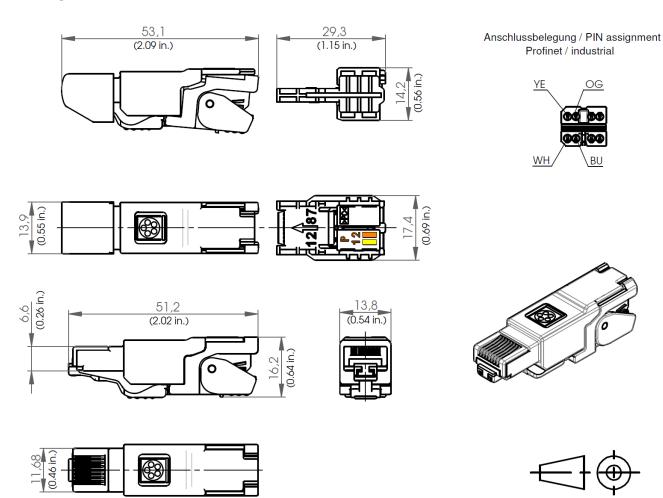
Approvals

UL listed, E-File E353543

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Drawings



Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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