21700615

DATA SHEET

Valid from: 17.09.2018

ED-IE-AX-6_A-A-20-FD-FC



Product description

- Field mountable Industrial Ethernet connector with colour coding acc. to T568A
- Suitable for industrial applications, structured cabling for office building applications, data centers and home networks
- Especially designed for cables with a core diameter of AWG27-24/7 and highflexible cables with a core diameter of AWG26/19
- Suitable highflexible cable: 2170488 ETHERLINE® FD P Cat.6 4x2xAWG26/19



General properties

Ambient temperature -40 to +85 °C

Protection degree IP 20

Outer diameter, cable 5.0 - 9.0 mm Outer diameter, wire 0.85 - 1.1 mm

Termination cross section, stranded, 7 wires AWG27/7 – AWG24/7

Termination cross section, stranded, 19 wires AWG26/19

Termination cross section, solid AWG26/1 – AWG24/1

Mechanical properties

 Insertion force
 ≤ 30 N

 Mating cycles
 ≥ 750

 Cable extraction force (assembled connector)
 ≥ 50 N

Electrical properties

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

Current carrying capacity at 50 °C 1 A

Suitable for Power over Ethernet+

acc. to IEEE 802.3at:2009

Transmission properties

Suitable for 10 Gigabit Ethernet acc. to IEEE 802.3an yes

Category 6_A ISO/IEC 11801; DIN EN 50173-1 Class E_A ISO/IEC 11801; DIN EN 50173-1

Category 6A ANSI/EIA-568-C.2

71101/ 2111 000

Materials

Connector housing, base material die-cast zinc

Connector housing, surface Ni Contacts, surface Au

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Standards

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

ANSI/TIA/EIA-568-C.2

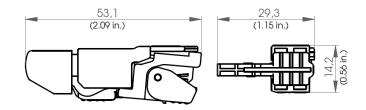
Generic cable systems ISO/IEC 11801

DIN EN 50173-1

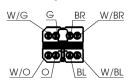
Approvals

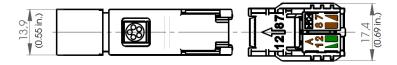
UL listed, E-File E353543

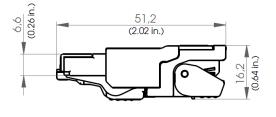
Drawings

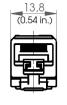


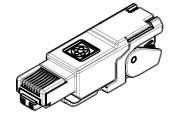
Anschlussbelegung / PIN assignment T568A nach / according to TIA/EIA 568-C.2

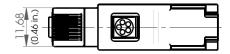


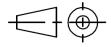












Application range

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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