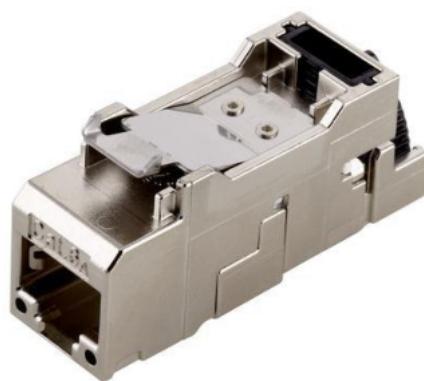


Product description

- Field mountable Industrial Ethernet RJ45-jack with color coding acc. to T568B
- Connector according to IEC 60603-7-5
- suitable for industrial applications, for structured cabling for office building applications, data centers and home networks



General properties

Ambient temperature	-40 to +70 °C
Protection degree	IP 20
Pin assignment (acc. TIA-568.2-D)	T568B
Outer diameter, cable	5.0 – 9.0 mm
Outer diameter, wire	0.9 – 1.6 mm
Termination cross section, stranded, 7 wires	AWG27/7 – AWG22/7
Termination cross section, solid	AWG26/1 – AWG22/1

Mechanical properties

Insertion force	≤ 30 N
Mating cycles	≥ 750

Electrical properties

Rated voltage	60 VDC (max.)
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Voltage proof, contact-contact	≥ 1000 V, DC
Voltage proof, contact-shield	≥ 1500 V, DC
Current carrying capacity at 50 °C	1 A
Suitable for Power over Ethernet+ acc. to IEEE 802.3at	yes
Suitable for Power over Ethernet 4PPoE acc. to IEEE 802.3bt	yes

Transmission properties

Category (ISO)	6
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Materials

Inflammability class according to UL 94	V0
Connector housing, material	Zink diecast Ni plated
Stop hook, material	Stainless steel
Snap arm for cable trap, material	PC black
Slide for shield contact, material	PC black
Shield, material	German silver
Wire pair presorting, material	PBT nature
Insulating plate, material	PC white
Insulation body, material	PC white

AbN
automation

21700612

DATA SHEETValid from:
20.07.2021

ED-IE-AX-RJ45F-6A-B-FC



PCB, material
Contact spring, material
IDC, material

FR4, tin-plated
Spring steel, gold plated
Copper alloy, tin-plated

Standards

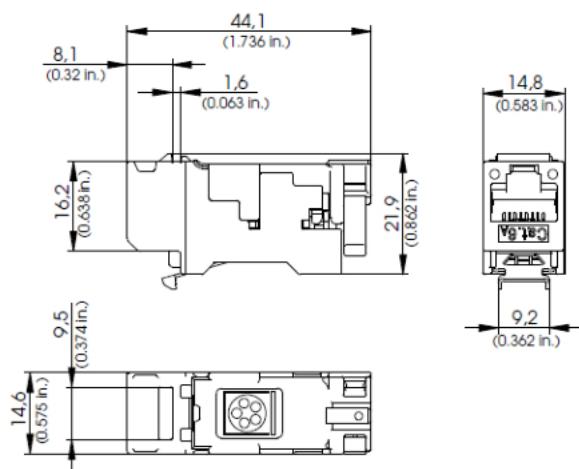
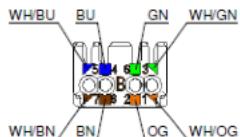
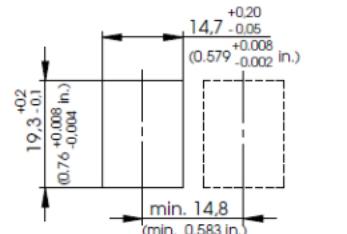
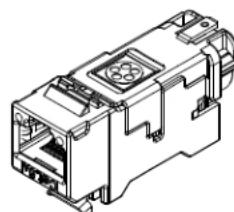
Product standard, RJ45-connector
Generic cable systems

IEC 60603-7-5
ISO/IEC 11801
DIN EN 50173-1

Approvals

UL listed, E-File

DUXR.E353543

DrawingsAnschlussbelegung / PIN assignment T568B
nach / according to TIA/EIA 568.2-DEinbaumaße (max. und min.)
mounting dimensions (max. and min.)Materialdicke 1,6±0,05 mm
wall thickness 1,6±0,05 mm (0.063±0.002 in.)**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.