

Data sheet

E-DAT Industry RJ45 field jack insert Cat.6 Class E_A, T568A

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P/N

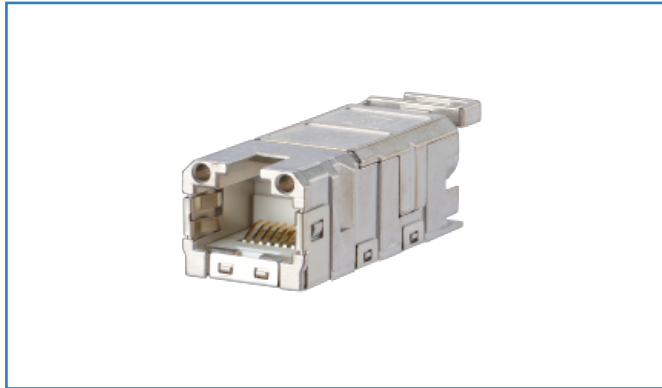
1401100810MI

EAN 4250184114277

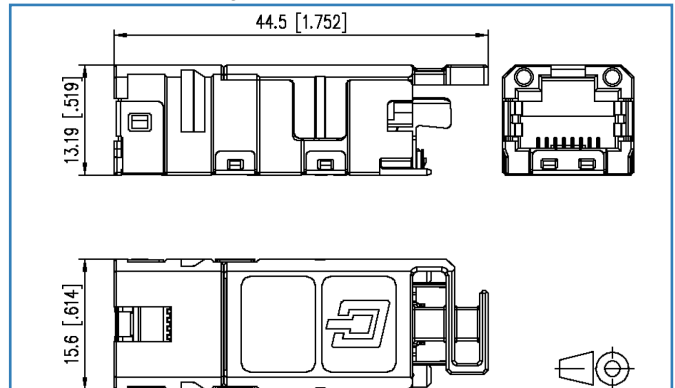
2019/10/30

Version: AH

Illustrations



Dimensional drawing



See enlarged drawings at the end of document



Product specification

- RJ45 jack Cat.6 class E_A to be assembled in the field and mounted in IP67 flange housings of variants 1, 4, 5 and 14
- use for ingress protection IP65 in combination with Universal test jack
- compliance with class E_A to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE) and HDBaseT
- no special tools required
- AWG 26/7 - 22/7; AWG 26/1 - 22/1 possible
- no protruding contours
- 2 x FS 2.8 mm grounding connection for equipotential bonding at cable end
- increased resistance to vibrations and shocks due to 4 springs on the shield plates
- consists of only 2 parts; easy to assemble
- solid zinc die-cast housing
- can be reconnected easily
- variants: pin assignment to T568A, T568B or PROFINET



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Technical Data

General Data

Fields of application	Industrial Ethernet
Design	Jack
Shielding	shielded
Transmission technology	Copper
Wiring	T568A
Color	metallike
Dimensions	
Dimension (L x W x H)	44.5 mm x 15.6 mm x 13.19 mm
Dimension (L x W x H)	1.752 in. x 0.614 in. x 0.519 in.
Field assembly ability	yes
Labeling option	on housing

Transmission characteristics

Category (ISO)	6
Class (ISO/IEC)	E _A
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
HDBaseT	yes
Transmission rate up to 10 GBit	IEEE 802.3an

Connections/interfaces

Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45-jack
Number of ports interface 2	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8
Number of positions/contacts interface 2	8P/8C



Technical Data

Connections/interfaces

Termination data, solid wire (min. - max.)

Conductor cross section, solid wire	AWG 26/1 - AWG 22/1
Conductor cross section, solid wire	0.128 mm ² - 0.324 mm ²
Conductor diameter, solid wire (bare copper)	0.409 mm - 0.643 mm
Conductor diameter, solid wire (bare copper)	0.016 in. - 0.025 in.

Termination data, stranded wire (min. - max.)

Conductor cross section, stranded wire	AWG 26/7 - AWG 22/7
Conductor cross section, stranded wire	0.141 mm ² - 0.355 mm ²
Conductor diameter, stranded wire (bare copper)	0.483 mm - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 in. - 0.03 in.

Core diameter (min. - max.)

Core diameter (conductor with insulation)	0.85 mm - 1.6 mm
Core diameter (conductor with insulation)	0.033 in. - 0.063 in.

Cable access/outlet	180°
Reconnectibility	yes

Electrical characteristics

Current carrying capacity	max. 1 A
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	min. 1000 V DC
Dielectric strength conductor-shield	min. 1500 V DC

Mechanical characteristics

Mounting method	snap-in function
Insertion and withdrawal force	max. 30 N
Position/mounting of latch - standard installation position	top

Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Housing finish	CuSnZn
Material - Insulation displacement contacts	CuNi2Si
Material - Finish of insulation displacement contacts	Sn (tin)
Material - Contact	Spring steel



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Materials and material properties

Material - Contact finish	Ni + Au (nickel-gold)
Material - Shield	Cu-Ni-Zn (nickel silver)
RoHS	compliant

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 °C - 70 °C
Temperature - Storage °F	-40 °F - 158 °F
Temperature - Operating °C	-40 °C - 70 °C
Temperature - Operating °F	-40 °F - 158 °F
Rapid change of temperature	-40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min
Flowing mixed gas	+25 °C / +77°F / 73% RH / 4 days, H2S / SO2
Electromagnetic measurement	E2
Vibration	50 m/s ²
Shock	250 m/s ²

Approvals

UL listed (file no.)



DUXR.E178484

The product meets the following standards

Generic cabling systems	
General requirements	ANSI/TIA-568-C
Office buildings	ISO/IEC 11801 Ed.2.2: 2011-06 DIN EN 50173-2 ANSI/TIA-568-C
Industrial area	ISO/IEC 24702 DIN EN 50173-3 ANSI/TIA-1005
Living units	ISO/IEC 15018 DIN EN 50173-4 ANSI/TIA-570-B
Application-specific communications cabling systems	
Profinet	yes
Expansion of Communication Circuit Accessories (DUXR) Category	UL 1863

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Connectors for electronic equipment

Free and fixed connectors DIN EN 60603-7-51:2011-01

Interference proof

Immunity for industrial environments DIN EN 61000-6-2:2006-03

Emission proof

Electromagnetic emission for residential,
commercial and light-indus DIN EN 61000-6-3:2011-09**Classifications**

ETIM 5.0 EC001121

ETIM 6.0 EC001121

ETIM 7.0 EC001121

Packing details

Type of packaging 10 pc(s) / box

Packaging unit - Weight (gram) 234 g

Packaging unit - Weight (pound) 0.52 lb

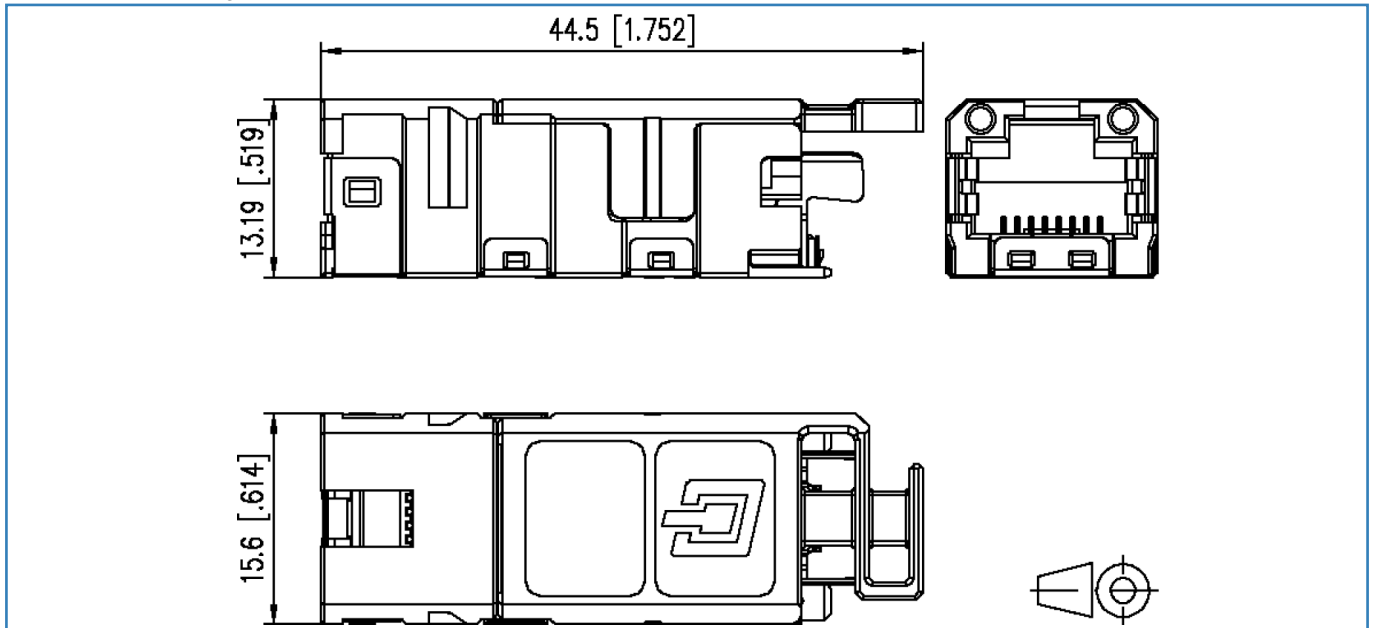
Packaging dimension 250 mm x 105 mm x 89 mm

Packaging dimension 9.843 in. x 4.134 in. x 3.504 in.



Illustrations

Dimensional drawing



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