

## Data sheet

### E-DAT Industry RJ45 coupler insert Cat.6 Class E

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P/N

1401200810MI

EAN 4250184114260

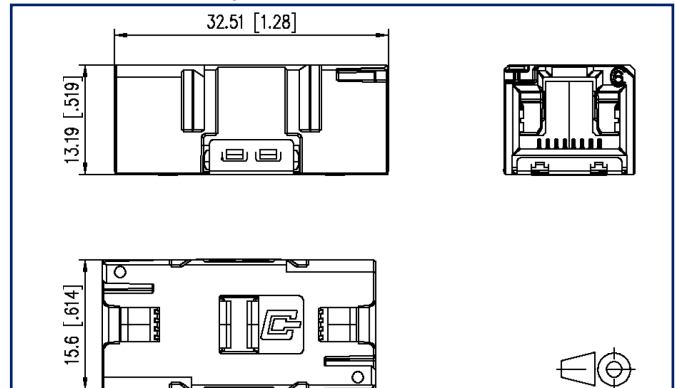
2022/10/11

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## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- Cat.6 class E RJ45 jack for mounting 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 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) and HDBaseT
- very compact design
- symmetrical structure, can be mounted in any position
- FS 2.8 grounding connection for equipotential bonding at both front ends
- increased resistance to vibrations and shocks due to 4 springs on the shield plates
- solid zinc die-cast housing



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### Technical Data

#### General Data

Fields of application	Industrial Ethernet
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E2
Design	coupler / adapter (FO)
Shielding	shielded
Transmission technology	Copper
Color	metallike
Dimensions	
Dimension (L x W x H)	32.51 mm x 15.6 mm x 13.19 mm
Dimension (L x W x H)	1.28 in. x 0.614 in. x 0.519 in.
Labeling option	on housing

#### Transmission characteristics

Category (ISO)	6
Class (ISO/IEC)	E <sub>A</sub>
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	RJ45-jack
Connector technology interface 2	RJ45-jack
Number of ports interface 1	1
Number of ports interface 2	1
Number of equipped ports interface 1	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8P/8C
Number of positions/contacts interface 2	8P/8C

### Technical Data

#### Connections/interfaces

Ground connection for cable plugs 2,8 mm/0,11 inch

#### 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
Transfer-Impedanz bei 1 MHz	< 100 mOhm
Transfer-Impedanz bei 10 MHz	< 200 mOhm
Transfer-Impedanz bei 80 MHz	< 1600 mOhm

#### Mechanical data

Mounting method	snap-in function
Insertion and withdrawal force	max. 30 N
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	top

#### Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Housing finish	copper-nickel (Ni-Cu)
Material - Contact	Spring steel
Material - Contact finish	Ni + Au (nickel-gold)
Material - Insulating body	PC UL94 V0
Material - Shield	CuZnPb (brass)
Material - Shield finish	Sn (tin)
Halogen free	yes
Silicone free	no paint wetting interfering substances (LaBS) in the process chain
LaBS Note	subsequent contamination possible due to handling and possible storage in your company
Material - Finish	Ni (nickel)
RoHS	compliant
REACH	compliant

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#### Materials and material properties

REACH - substance (SVHC) Lead / 7439-92-1

#### 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

Particulate ingress IP6X when plugged in

Liquid ingress/immersion IPX7 when plugged in

Rapid change of temperature -40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min

Damp heat +25°C / +77°F / +65°C / +149°F / 93% RH // -10°C / -14°F / 21 cycles

Flowing mixed gas +25 °C / +77°F / 73% RH / 4 days, H2S / SO2

Vibration 50 m/s<sup>2</sup>

Shock 250 m/s<sup>2</sup>

#### Certifications

3P certificate yes

#### Approvals

UL listed (file no.) DUXR.E178484



#### Standards/Regulations

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

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#### Standards/Regulations

Application-specific communications cabling systems

Profinet yes

UL standard for Communications-Circuit Accessories UL 1863

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-industrial environments DIN EN 61000-6-3:2011-09

Climate tests IEC 60512-11

#### Classifications

ETIM 5.0 EC001134

ETIM 6.0 EC001134

ETIM 7.0 EC001134

ETIM 8.0 EC001134

#### Packing details

Type of packaging 10 pc(s) / box

Packaging unit - Weight (gram) 311 g

Packaging unit - Weight (pound) 0.69 lb

Packaging dimension 258 mm x 164 mm x 51 mm

Packaging dimension 10.157 in. x 6.457 in. x 2.008 in.

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### Accessories from

P/N	Designation
130D2CMC6-E	DCCS2 subassembly 6 port RJ45 - cross connect
130D2CMM6-E	DCCS2 subassembly 6 port RJ45
130D2CMU6-E	DCCS2 subassembly 4 port unequipped for E-DAT Industry inserts
1401010110ME	E-DAT Industry IP67 V1 1 port metal outlet
1401010220ME	E-DAT Industry IP67 V1 2 port metal outlet
1401010620ME	E-DAT Industry IP67 V1 2 port metal surface mount housing
1401013300ME	Industry IP67 V1 metal bulkhead
1401013300ME-F5	Industry IP67 V1 metal bulkhead
1401013302KE	Industry IP67 V1 bulkhead
1401040110ME	E-DAT Industry IP67 V4 1 port metal outlet
1401040220ME	E-DAT Industry IP67 V4 2 port metal outlet
1401040620ME	E-DAT Industry IP67 V4 2 port metal surface mount housing
1401043302KE	Industry IP67 V4 bulkhead
1401060110ME	E-DAT Industry IP67 V5 1 port metal outlet
1401060320ME	E-DAT Industry IP67 V5 2 port metal surface mount housing
1401063300ME	Industry IP67 V5 metal bulkhead
14010833C0MC	E-DAT Industry IP67 V14 mounting flange, central screw mounting
14010833C0MN	E-DAT Industry IP67 V14 mounting flange, normative mounting
1401106113KE	E-DAT Industry terminal rail TS35 + RJ45 field jack insert Cat.6 Class E <sub>A</sub> , T568A
1401206113KE	E-DAT Industry terminal rail TS35 + RJ45 coupler insert Cat.6 Class E <sub>A</sub>
1401806113KE	E-DAT Industry terminal rail TS35 + RJ45 field jack insert Cat.6 Class E <sub>A</sub> , T568B
1401906113KE	E-DAT Industry terminal rail TS35 + RJ45 field jack insert Cat.6 Class E <sub>A</sub> , PROFINET
1401U06113KE	E-DAT Industry terminal rail TS35 + E-DAT Industry USB A 2.0 coupler insert
1401U16113KE	E-DAT Industry terminal rail TS35 + E-DAT Industry USB A 3.0 coupler insert
140UPB-E	E-DAT Industry universal test jack IP65, unequipped

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