

# Data sheet

Page 1/7

## E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

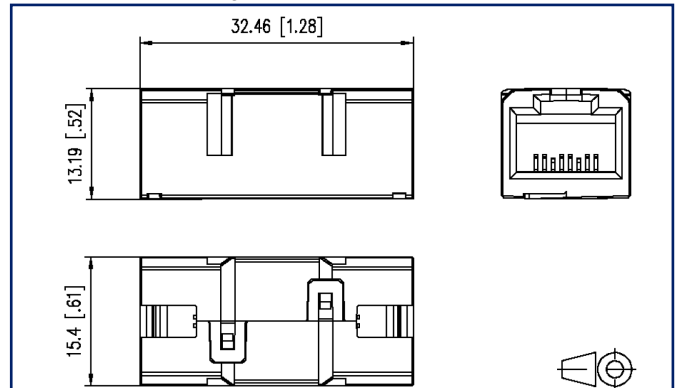
2026/01/28

Version: B

### Illustrations



Dimensional drawing



See enlarged drawings at the end of document

### Product specification

- unshielded class E<sub>A</sub> 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<sub>A</sub> according to ISO/IEC 11801, DIN EN 50173-1
- suitable for 10 GBit/s Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE und 4PPoE), HDBaseT, SAT-IP and AV over IP
- especially suitable for consolidation points and cross-connect cabling
- very compact design
- symmetrical structure, can be mounted in any position



# E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

2026/01/28

Version: B

## Technical Data

### General Data

Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E1
Design	coupler / adapter (FO)
Shielding	unshielded
Transmission technology	Copper
Color	white
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

Class (ISO/IEC)	E <sub>A</sub>
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
4PPoE	IEEE 802.3bt
HDBaseT	yes
SAT-IP	yes
AVoverIP	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

# E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

2026/01/28

Version: B

## Technical Data

### Connections/interfaces

Number of positions/contacts interface 2 8P/8C

### Electrical characteristics

Current carrying capacity max. 1 A at 60 °C

Contact resistance max. 20 mOhm

Insulation resistance min. 500 MOhm

Dielectric strength conductor-conductor (secondary) min. 1000 V DC

### Mechanical data

Insertion and withdrawal force max. 20 N

Life - Number of mating cycles min. 750

Position/mounting of latch standard installation position top

### Materials and material properties

Material - Contact Spring steel

Material - Contact finish Ni + Au (nickel-gold)

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

Particulate ingress IP2X when plugged in

Liquid ingress/immersion IPX0 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>

# E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

2026/01/28

Version: B

## Technical Data

### Standards/Regulations

#### Generic cabling systems

General requirements ISO/IEC 11801-1:2017-11 | DIN EN 50173-1:2018-10

#### Connectors for electronic equipment

Free and fixed connectors DIN EN 60603-7-2:2011-03

#### Connectors for electronic equipment - Tests and measurements

Test standard for connectors (engaging and separating connectors under electrical load) DIN-EN 60512-99-001, DIN-EN 60512-99-002

Endurance tests IEC 60512-9-3: 03-2009

#### Emission proof

Climate tests IEC 60512-11

### Classifications

ETIM 9.0 EC001134

ETIM 10.0 EC001134

### Packing details

Type of packaging 10 pc(s) / box

### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

## E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

2026/01/28

Version: B

### 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
14040000-E	MCO IP69k protective housing for outdoor use, set for exposed installation
14040010-E	MCO IP69k Protective housing for outdoor use, set with mounting bracket
14040100-E	MCO IP69k Protective housing for outdoor use, set wall/ housing bushing

Data sheet

Page 6/7

## E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

2026/01/28

Version: B

### Accessories from

140UPB-E

E-DAT Industry universal test jack IP65, unequipped



Data sheet

Page 7/7

# E-DAT Industry RJ45 coupler insert Class E<sub>A</sub>

P/N

1401B00810KI

EAN 4251394690742

2026/01/28

Version: B

## Illustrations

Dimensional drawing

