

# P | Cabling

## Data sheet

**E-DAT Industry IP67 V1 wall outlet, surface mounting + RJ45 field jack insert Cat.6 Class E<sub>A</sub>, T568B**

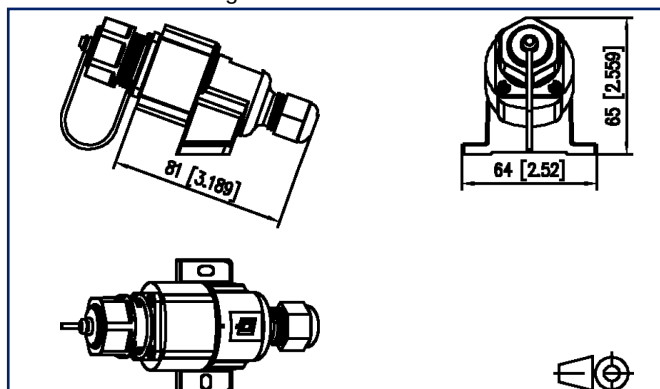
Page 1/6

P/N  
1401810012KE  
EAN 4251122193125  
2021/02/11  
Version: F

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- RJ45 termination unit in flange housing with bayonet lock acc. to ISO/IEC 24702 and IEC 61076-3-106 standards, var. 1
- compliance with class E<sub>A</sub> 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
- IP67 protected housing
- AWG 26/7 - 22/7, AWG 26/1 - 22/1 possible
- increased resistance to vibrations and shocks due to 4 springs on the shield plates
- no special tools required
- possible surface-mounting in series
- connection of RJ45 plugs available on the market (no IP protection)
- easy, time-saving mounting
- variants: pin assignment to T568A or T568B



# P | Cabling

## Data sheet

Page 2/6

## E-DAT Industry IP67 V1 wall outlet, surface mounting + RJ45 field jack insert Cat.6 Class E<sub>A</sub>, T568B

P/N

1401810012KE

EAN 4251122193125

2021/02/11

Version: F

### Technical Data

#### General Data

|                          |                                            |
|--------------------------|--------------------------------------------|
| Fields of application    | Office<br>Harsh environment<br>wall outlet |
| Design                   | surface mount                              |
| Mounting style           | shielded                                   |
| Shielding                | Copper                                     |
| Transmission technology  | T568B                                      |
| Wiring                   | black                                      |
| Color                    | black                                      |
| Color protective housing | black                                      |
| Dimensions               |                                            |
| Dimension (L x W x H)    | 81 mm x 64 mm x 65 mm                      |
| Dimension (L x W x H)    | 3.189 in. x 2.52 in. x 2.559 in.           |

#### Transmission characteristics

|                                 |                |
|---------------------------------|----------------|
| Category (ISO)                  | 6              |
| Class (ISO/IEC)                 | E <sub>A</sub> |
| Category (TIA)                  | 6              |
| 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          |
| Protective housing interface 1           | V1             |
| Protective housing interface 2           | V1             |



# P | Cabling

## Data sheet

Page 3/6

## E-DAT Industry IP67 V1 wall outlet, surface mounting + RJ45 field jack insert Cat.6 Class E<sub>A</sub>, T568B

P/N

1401810012KE

EAN 4251122193125

2021/02/11

Version: F

### 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<sup>2</sup> - 0.324 mm<sup>2</sup>

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<sup>2</sup> - 0.355 mm<sup>2</sup>

Conductor diameter, stranded wire (bare copper) 0.483 mm - 0.762 mm

Conductor diameter, stranded wire (bare copper) 0.019 in. - 0.03 in.

Cable access/outlet 180°

#### Elektrische/ Optische Eigenschaften

Current carrying capacity 1 A

Contact resistance max. 20 mOhm

Insulation resistance min. 500 MOhm

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

#### Mechanical data

Locking method (protective housing) Bayonet

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 - Protective housing PA UL94 V0

Material - Contact Spring steel

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

Material - Insulation displacement contacts CuNi2Si

Material - Finish of insulation displacement contacts Sn (tin)

Material - Shield Cu-Ni-Zn (nickel silver)

Material - Protective housing seal NBR (nitrile butadiene rubber)

Material - Flat seal NBR (nitrile butadiene rubber)

Material - Thin nut PA UL94 V0

Material - Protective cap PA UL94 V0

Material - Elastic band EPDM (ethylene-propylene-diene)



# P | Cabling

## Data sheet

Page 4/6

## E-DAT Industry IP67 V1 wall outlet, surface mounting + RJ45 field jack insert Cat.6 Class E<sub>A</sub>, T568B

P/N

1401810012KE

EAN 4251122193125

2021/02/11

Version: F

### Technical Data

#### Materials and material properties

|              |           |
|--------------|-----------|
| Halogen free | yes       |
| 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         | IP6X                                                                                                                                                                                                    |
| Liquid ingress/immersion    | IPX7                                                                                                                                                                                                    |
| 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                                                                                                                                                             |
| Electromagnetic measurement | E2                                                                                                                                                                                                      |
| Vibration                   | 50 m/s <sup>2</sup>                                                                                                                                                                                     |
| Shock                       | 250 m/s <sup>2</sup>                                                                                                                                                                                    |
| General information         | This product is suitable for use in industrial environments inside buildings with IPxy protection class according to DIN EN 60529 specified in this data sheet. Not specified for outdoor applications. |
| Approvals                   |                                                                                                                                                                                                         |
| UL listed (file no.)        | DUXR.E178484                                                                                                                                                                                            |

#### The product meets the following standards

|                                                                |                                                 |
|----------------------------------------------------------------|-------------------------------------------------|
| Generic cabling systems                                        |                                                 |
| General requirements                                           | ANSI/TIA-568                                    |
| Industrial area                                                | ISO/IEC 24702   DIN EN 50173-3<br>ANSI/TIA-1005 |
| Expansion of Communication Circuit Accessories (DUXR) Category | UL 1863                                         |
| Connectors for electronic equipment                            |                                                 |
| Free and fixed connectors                                      | DIN EN 60603-7-51:2011-01                       |
| Degrees of Protection Provided by Enclosures                   | IEC 60529                                       |



# P | Cabling

## Data sheet

Page 5/6

## E-DAT Industry IP67 V1 wall outlet, surface mounting + RJ45 field jack insert Cat.6 Class E<sub>A</sub>, T568B

P/N

1401810012KE

EAN 4251122193125

2021/02/11

Version: F

### Technical Data

#### The product meets the following standards

|                                      |                          |
|--------------------------------------|--------------------------|
| Interference proof                   |                          |
| Immunity for industrial environments | DIN EN 61000-6-2:2006-03 |
| Climate tests                        | IEC 60512-11             |

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC002597 |
| ETIM 6.0 | EC002597 |
| ETIM 7.0 | EC002597 |

#### Packing details

|                                 |                                    |
|---------------------------------|------------------------------------|
| Type of packaging               | 1 pc(s) / plastic bag              |
| Packaging unit - Weight (gram)  | 108 g                              |
| Packaging unit - Weight (pound) | 0.24 lb                            |
| Packaging dimension             | 300 mm x 200 mm x 50 mm            |
| Packaging dimension             | 11.811 in. x 7.874 in. x 1.969 in. |



# P | Cabling

Data sheet

Page 6/6

**E-DAT Industry IP67 V1 wall outlet, surface mounting + RJ45  
field jack insert Cat.6 Class E<sub>A</sub>, T568B**

P/N

1401810012KE

EAN 4251122193125

2021/02/11

Version: F

## Illustrations

Dimensional drawing

