

# Data sheet

## Industry IP67 V1 plug housing bend protected

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P/N

1401025002KE

EAN 4250184114079

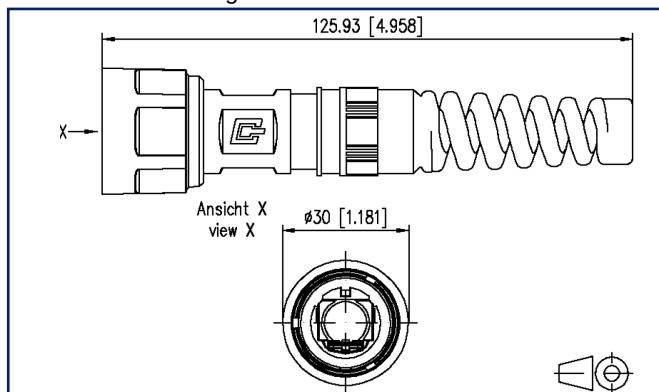
2026/08/25

Version: O

### Illustrations



Dimensional drawing



See enlarged drawings at the end of document

### Product specification

- plug housing with bayonet lock acc. to ISO/IEC 24702 and IEC 61076-3-106 var. 1
- IP67 protected housing to hold Industry plug inserts
- increased diameter range of 10 mm for connection of cable jackets
- resistant to welding sputter
- industry-compatible plastic housing with improved durability
- flammability class as per UL 94V-0
- improved resistance to chemical substances
- labeling on plug housing
- snap-on clip for color coding after assembly
- cable can be pushed through preassembled plug housing
- matching plug inserts: E-DAT Industry RJ45 field plug insert, E-DAT Industry RJ45 plug insert, OpDAT Industry 2LC plug insert, OpDAT Industry 2SC plug insert
- variants: plug housing, bend-protected plug housing



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## Technical Data

### General Data

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| Fields of application                         | harsh environment                 |
| Mechanical measurement according to MICE      | M1                                |
| Ingress measurement according to MICE         | I1                                |
| Climatic measurement according to MICE        | C1                                |
| Electromagnetic measurement according to MICE | E3                                |
| Design                                        | plug housing                      |
| Color                                         | black                             |
| Dimensions                                    |                                   |
| Dimension (L x W x H)                         | 126 mm x 30 mm x 30 mm            |
| Dimension (L x W x H)                         | 4.961 in. x 1.181 in. x 1.181 in. |
| Labeling option                               | on housing                        |
| Marking option                                | by latching clip                  |

### Connections/interfaces

|                                      |                   |
|--------------------------------------|-------------------|
| Number of ports interface 2          | 1                 |
| Number of ports interface 2 equipped | 0                 |
| Protective housing interface 1       | V1                |
| Protective housing interface 2       | V1                |
| Cable sheath diameter (min. - max.)  |                   |
| Cable sheath diameter                | 5 mm - 10.00      |
| Cable sheath diameter                | 0.197 in. - 0.394 |
| Module plug-in direction             | straight          |
| Cable access/outlet                  | 180°              |

### Mechanical data

|                                     |         |
|-------------------------------------|---------|
| Locking method (protective housing) | Bayonet |
|-------------------------------------|---------|

### Materials and material properties

|                                    |                                |
|------------------------------------|--------------------------------|
| Material - Protective housing      | PA UL 94 V0                    |
| Material - Protective housing seal | NBR (nitrile butadiene rubber) |
| Material - Flat seal               | NBR (nitrile butadiene rubber) |
| Material - Cap nut                 | PA (polyamide)                 |
| Material - Spring washer           | Spring steel                   |
| RoHS                               | compliant                      |



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### Technical Data

#### 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=30min                                                                                                                                                      |
| Damp heat                      | +25°C / +77°F / +65°C / 149°F / 93% RH // -10°C / 14°F / 21 cycles                                                                                                                                      |
| Salt spray fog test (NSS Test) | +35°C / +95 / 4 days 5% NaCL                                                                                                                                                                            |
| Resistance to welding beads    | yes                                                                                                                                                                                                     |
| Increased robustness           | yes                                                                                                                                                                                                     |
| Increased chemical resistance  | yes                                                                                                                                                                                                     |
| 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

#### Standards/Regulations

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Generic cabling systems                            |                    |
| Industrial area                                    | ISO/IEC 24702      |
| UL standard for Communications-Circuit Accessories | UL 1863            |
| Degrees of Protection Provided by Enclosures       | IEC 60529          |
| Connectors for electronic equipment                |                    |
| Rectangular connectors                             | DIN EN 61076-3-106 |



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**Technical Data****Classifications**

|           |          |
|-----------|----------|
| ETIM 7.0  | EC000437 |
| ETIM 8.0  | EC000437 |
| ETIM 9.0  | EC000437 |
| ETIM 10.0 | EC000437 |

**Packing details**

|                   |               |
|-------------------|---------------|
| Type of packaging | 5 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.



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### Accessories

| P/N            | Designation                                                          |
|----------------|----------------------------------------------------------------------|
| 1401009001-I   | ""Industry color coding ring V1/V4/V14 orange""                      |
| 1401009003-I   | ""Industry color coding ring V1/V4/V14 light grey""                  |
| 1401009004-I   | ""Industry color coding ring V1/V4/V14 white""                       |
| 1401009005-I   | ""Industry color coding ring V1/V4/V14 yellow""                      |
| 1401009006-I   | ""Industry color coding ring V1/V4/V14 blue""                        |
| 1401009007-I   | ""Industry color coding ring V1/V4/V14 green""                       |
| 1401018002KI   | Industry IP67 V1 plug protective cap                                 |
| 1401400810-DNV | E-DAT Industry RJ45 field plug insert Cat.6 Class E <sub>A</sub> DNV |
| 1401400810-I   | E-DAT Industry RJ45 field plug insert Cat.6 Class E <sub>A</sub>     |
| 1401500810-I   | E-DAT Industry RJ45 plug insert Cat.6 Class E <sub>A</sub>           |
| 1402500820-I   | OpDAT Industry 2SC MM plug insert                                    |
| 1402500822-I   | OpDAT Industry 2SC MM plug insert                                    |
| 1402600820-I   | OpDAT Industry 2SC SM plug insert                                    |
| 1402600822-I   | OpDAT Industry 2SC SM plug insert                                    |
| 1402700820-I   | OpDAT Industry 2SC POF plug insert                                   |
| 1402700822-I   | OpDAT Industry 2SC POF plug insert                                   |
| 1402800820-I   | OpDAT Industry 2LC MM plug insert                                    |
| 1402900820-I   | OpDAT Industry 2LC SM plug insert                                    |

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