

## Data sheet

### C6<sub>A</sub> RJ45 field plug pro

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P/N

130E405032-E

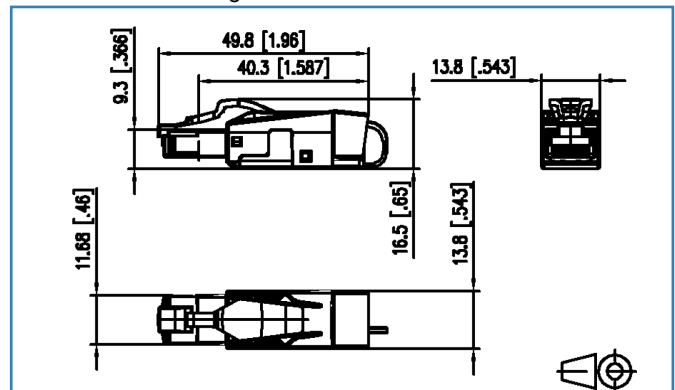
EAN 4250184180593

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## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- Cat.6<sub>A</sub> class E<sub>A</sub> RJ45 plug to be assembled in the field
- fully shielded and multi-port capable
- straight (180°) cable feed
- easy assembly - connection without special tools
- wire connection: stranded wire AWG 27/7 to 22/7, wire diameter from 0.46 to 0.76 mm
- wire connection: solid wire AWG 26/1 to 22/1, wire diameter from 0.4 to 0.64 mm
- transmission characteristics Cat.6<sub>A</sub> per ISO/IEC 11801 Ed.2.2:2011-06
- 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 and UPoE) and HDBaseT
- degree of protection IP20
- for cable jacket diameter from 5.5 to 10.5 mm
- zinc die-cast housing for industrial use consists of only 2 parts
- strain relief by latching clip directly on the stuffer cap
- protected locking hook
- reconnectable

### Technical Data

#### General Data

|                         |                             |
|-------------------------|-----------------------------|
| Fields of application   |                             |
| Design                  | Structured building cabling |
| Shielding               | shielded                    |
| Transmission technology | Copper                      |
| Color                   | black                       |
| Dimensions              |                             |
| Dimension (L x W x H)   | 49.80 x 13.8 x 16.50 mm     |
| Dimension (L x W x H)   | 1.961 x 0.543 x 0.65 in.    |
| Field assembly ability  | yes                         |
| Multi-port capability   | yes                         |
| Labeling option         | on housing                  |
| Marking option          | by latching clip            |

#### Transmission characteristics

|                                 |                |
|---------------------------------|----------------|
| Category (ISO)                  | 6 <sub>A</sub> |
| Class (ISO/IEC)                 | E <sub>A</sub> |
| Category (TIA)                  | 6A             |
| 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 plug      |
| 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 - 22/1               |
| Conductor cross section, solid wire          | 0.128 - 0.324 mm <sup>2</sup> |
| Conductor diameter, solid wire (bare copper) | 0.409 - 0.643 mm              |
| Conductor diameter, solid wire (bare copper) | 0.016 - 0.025 in.             |

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

|   |                               |
|---|-------------------------------|
| Conductor cross section, stranded wire          | AWG 27/7 - 22/7               |
| Conductor cross section, stranded wire          | 0.111 - 0.355 mm <sup>2</sup> |
| Conductor diameter, stranded wire (bare copper) | 0.457 - 0.762 mm              |
| Conductor diameter, stranded wire (bare copper) | 0.018 - 0.030 in.             |

##### Cable sheath diameter (min. - max.)

|                       |                   |
|-----------------------|-------------------|
| Cable sheath diameter | 5.50 - 10.50 mm   |
| Cable sheath diameter | 0.217 - 0.413 in. |

|                     |      |
|---------------------|------|
| Cable access/outlet | 180° |
|---------------------|------|

|                  |  |
|------------------|--|
| Reconnectibility | yes, if cross section is greater or the same |
|------------------|--|

|                   |                         |
|-------------------|-------------------------|
| Shield connection | flexible contact spring |
|-------------------|-------------------------|

#### Electrical characteristics

|   |               |
|---|---------------|
| Current carrying capacity                           | max. 1 A      |
| Rated voltage                                       | max. 50 V     |
| Contact resistance                                  | max. 20 mOhm  |
| Insulation resistance                               | min. 500 MOhm |
| Dielectric strength conductor-conductor (secondary) | 1000 V DC     |
| Dielectric strength conductor-shield                | 1500 V DC     |

#### Mechanical characteristics

|   |                  |
|---|------------------|
| Mounting method   | snap-in function |
| Insertion and withdrawal force                              | max. 20 N        |
| Life - Number of mating cycles                              | min. 750         |
| Position/mounting of latch - standard installation position | top              |
| Strain relief   | latching clip    |

### Technical Data

#### Materials and material properties

|                           |                       |
|---------------------------|-----------------------|
| Material - Housing        | GD-Zn (zinc die-cast) |
| Material - Contact        | CuSn (tin bronze)     |
| Material - Contact finish | Ni + Au (nickel-gold) |
| Material - Latch          | Plastics              |

#### Environmental conditions

|                             |                |
|-----------------------------|----------------|
| Temperature (min. - max.)   |                |
| Temperature - Storage °C    | -40 - 85 °C    |
| Temperature - Storage °F    | -40 - 185 °F   |
| Temperature - Operating °C  | -40 - 85 °C    |
| Temperature - Operating °F  | -40 - 185 °F   |
| Particulate ingress         | IP2X           |
| Liquid ingress/immersion    | IPX0           |
| Electromagnetic measurement | E <sub>2</sub> |

#### Certifications

|                                  |            |
|----------------------------------|------------|
| GHMT Component                   | yes        |
| GHMT component - Validity period | 28.02.2019 |

#### Approvals

|                      |              |
|----------------------|--------------|
| CE                   | compliant    |
| RoHS                 | compliant    |
| UL listed (file no.) | DUXR.E178484 |

#### The product meets the following standards

|                         |  |
|-------------------------|--|
| Generic cabling systems |  |
| General requirements    | ISO/IEC 11801 Ed.2.2: 2011-06   DIN EN 50173-1: 2011-09<br>TIA/EIA 568-C |
| Office buildings        | ISO/IEC 11801 Ed.2.2: 2011-06   DIN EN 50173-2: 2011-09<br>TIA/EIA 568-C |
| Industrial area         | ISO/IEC 24702   DIN EN 50173-3: 2011-09<br>TIA/EIA 1005                  |
| Living units            | ISO/IEC 15018   DIN EN 50173-4: 2011-09<br>TIA/EIA 570-B                 |

### Technical Data

#### The product meets the following standards

##### Application-specific communications cabling systems

|   |                           |
|---|---------------------------|
| Profinet  | yes                       |
| Industrial communication networks - Installation of communication networks in industrial premises | IEC 61918                 |
| 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  |
| Railway applications  |                           |
| Electronic equipment used on rolling stock  | DIN EN 50155              |
| Fire protection on railway vehicles   | DIN EN 45545-2            |

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001121 |
| ETIM 6.0 | EC001121 |

#### Packing details

|                                 |                            |
|---------------------------------|----------------------------|
| Type of packaging               | 10 pc(s) / box             |
| Packaging unit - Weight (gram)  | 413.00 g                   |
| Packaging unit - Weight (pound) | 0.91 lb                    |
| Packaging dimension (W x H x D) | 247.00 x 161.00 x 58.00 mm |
| Packaging dimension (W x H x D) | 9.724 x 6.339 x 2.283 in.  |



### Illustrations

Dimensional drawing

