

# Data sheet

## 25G RJ45 field plug pro 360

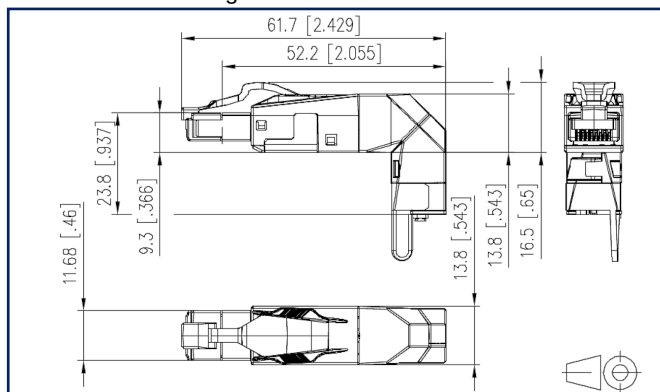
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P/N  
130G405042-E  
EAN 4251394618562  
2026/08/21  
Version: K

### Illustrations



Dimensional drawing



See enlarged drawings at the end of document

### Product specification

- RJ45 plug to be assembled in the field for 25 Gbit up to 1250 MHz
- fully shielded and multi-port capable
- variable (360°) cable feed, freely selectable
- easy assembly - connection without special tools
- wire connection: stranded wire AWG 27/7 to 22/7, wire diameter from 0.43 to 0.76 mm
- wire connection: solid wire AWG 26/1 to 22/1, wire diameter from 0.409 to 0.64 mm
- transmission characteristics according to ISO/IEC 11801 (up to 1250 MHz)
- suitable for 25GBASE-T 25 GBit Ethernet (IEEE 802.3bq), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- degree of protection IP20
- for cable jacket diameter from 5.5 to 9.5 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



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### Technical Data

#### General Data

|                                               |                                  |
|-----------------------------------------------|----------------------------------|
| Fields of application                         | structured building cabling      |
| 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                                        | plug                             |
| Shielding                                     | shielded                         |
| Transmission technology                       | Copper                           |
| Color                                         | red                              |
| Dimensions                                    |                                  |
| Dimension (L x W x H)                         | 49.8 mm x 13.8 mm x 16.5 mm      |
| Dimension (L x W x H)                         | 1.961 in. x 0.543 in. x 0.65 in. |
| Field assembly ability                        | yes                              |
| Multi-port capability                         | yes                              |
| Labeling option                               | on housing                       |

#### Transmission characteristics

|                                 |              |
|---------------------------------|--------------|
| Remote Powering                 | yes          |
| PoE                             | IEEE 802.3af |
| PoE plus                        | IEEE 802.3at |
| UPoE                            | yes          |
| 4PPoE                           | IEEE 802.3bt |
| 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          |

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#### 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 27/7 - AWG 22/7                           |
| Conductor cross section, stranded wire          | 0.111 mm <sup>2</sup> - 0.355 mm <sup>2</sup> |
| Conductor diameter, stranded wire (bare copper) | 0.457 mm - 0.762 mm                           |
| Conductor diameter, stranded wire (bare copper) | 0.018 in. - 0.03 in.                          |

Aderdurchmesser (min.-max.)

|                                           |                       |
|-------------------------------------------|-----------------------|
| Core diameter (conductor with insulation) | 1 mm - 1.6 mm         |
| Core diameter (conductor with insulation) | 0.039 in. - 0.063 in. |

Cable sheath diameter (min. - max.)

|                       |                       |
|-----------------------|-----------------------|
| Cable sheath diameter | 5.5 mm - 9.5mm        |
| Cable sheath diameter | 0.217 in. - 0.374 in. |

Cable access/outlet variable, selectable (360°)

Reconnectibility yes

Shield connection flexible contact spring

#### Electrical characteristics

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| Current carrying capacity                           | max. 1 A at 60 °C |
| Rated voltage                                       | max. 60 V DC      |
| Rated voltage UL                                    | max. 56.5 V DC    |
| Contact resistance                                  | max. 20 mOhm      |
| Insulation resistance                               | min. 500 MOhm     |
| Dielectric strength conductor-conductor (secondary) | 1000 V DC         |
| Dielectric strength conductor-shield, peak value    | 1500 V DC         |



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#### Mechanical data

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

#### Materials and material properties

|                           |                       |
|---------------------------|-----------------------|
| Material - Housing        | GD-Zn                 |
| Material - Contact        | CuSn                  |
| Material - Contact finish | Ni + Au (nickel-gold) |
| Material - Latch          | Plastics              |
| Halogen free              | yes                   |
| Material - Finish         | Ni (nickel)           |
| RoHS                      | compliant             |

#### Environmental conditions

|                            |                 |
|----------------------------|-----------------|
| Temperature (min. - max.)  |                 |
| Temperature - Storage °C   | -40 °C - 85 °C  |
| Temperature - Storage °F   | -40 °F - 185 °F |
| Temperature - Operating °C | -40 °C - 85 °C  |
| Temperature - Operating °F | -40 °F - 185 °F |
| Particulate ingress        | IP2X            |
| Liquid ingress/immersion   | IPX0            |

#### Approvals

UL listed (file no.)



DUXR.E178484



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#### 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<br>ANSI/TIA-568-C |
| Industrial area      | ISO/IEC 24702   DIN EN 50173-3<br>ANSI/TIA-1005                  |
| Living units         | ISO/IEC 15018   DIN EN 50173-4<br>ANSI/TIA-570-B                 |

##### Application-specific communications cabling systems

|                                                                          |           |
|--------------------------------------------------------------------------|-----------|
| Industrial communication networks<br>Installation in industrial premises | IEC 61918 |
|--------------------------------------------------------------------------|-----------|

##### Connectors for electronic equipment

|                           |                |
|---------------------------|----------------|
| Free and fixed connectors | IEC 60603-7-51 |
|---------------------------|----------------|

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

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

##### Interference proof

|                                      |                          |
|--------------------------------------|--------------------------|
| Immunity for industrial environments | DIN EN 61000-6-2:2006-03 |
|--------------------------------------|--------------------------|

##### Emission proof

|                                                                                           |                          |
|-------------------------------------------------------------------------------------------|--------------------------|
| Electromagnetic emission for residential,<br>commercial and light-industrial environments | DIN EN 61000-6-3:2011-09 |
|-------------------------------------------------------------------------------------------|--------------------------|

#### Classifications

|           |          |
|-----------|----------|
| ETIM 7.0  | EC001121 |
| ETIM 8.0  | EC001121 |
| ETIM 9.0  | EC001121 |
| ETIM 10.0 | EC001121 |

#### Packing details

|                   |                |
|-------------------|----------------|
| Type of packaging | 10 pc(s) / box |
|-------------------|----------------|

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### 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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