

# Data sheet

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## C5 RJ45 field plug pro 2P PROFINET

P/N

130E405032PE

EAN 4250184189275

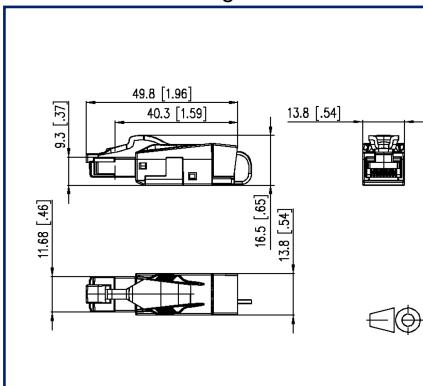
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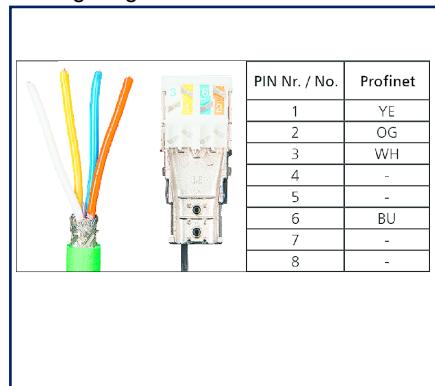
### Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

### Product specification

- Cat.5 class D RJ45 plug, 2 pairs, 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 0.409 to 0.64 mm
- transmission characteristics Cat.5 according to ISO/IEC 11801
- compliance with class D according to ISO/IEC 11801, DIN EN 50173-1
- 100 MBit suitable according to IEEE 802.3
- suitable for Remote Powering (PoE and PoE plus) 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 Industrial Ethernet office areas
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
Wiring	Profinet
Color	green
Dimensions	
Dimension (L x W x H)	49.8 mm x 13.8 mm x 9.3 mm
Dimension (L x W x H)	1.961 in. x 0.543 in. x 0.366 in.
Field assembly ability	yes
Multi-port capability	yes
Labeling option	on housing

**Transmission characteristics**

Category (ISO)	5
Class (ISO/IEC)	D
Category (TIA)	5
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
HDBaseT	yes
Transmission rate up to 100 MBit (Fast Ethernet)	IEEE 802.3u



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**Technical Data**
**Connections/interfaces**

Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45 plug
Number of positions/contacts interface 1	4
Number of positions/contacts interface 2	4P/4C
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	180°
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)	min. 1000 V DC



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**Technical Data**
**Mechanical data**

Mounting method	snap-in function
Insertion and withdrawal force	max. 20 N
Position/mounting of latch 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 - 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
Liquid ingress/immersion	IPX0

**Approvals**

UL listed (file no.)

DUXR.E178484


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 Weitere Dokumentation siehe / additional documentation see /  
 documentation supplémentaire voir [www.metz-connect.com](http://www.metz-connect.com)

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**Technical Data****Standards/Regulations**

Generic cabling systems

Office buildings ISO/IEC 11801 Ed.2.2: 2011-06 | DIN EN 50173-2

Industrial area ISO/IEC 24702 | DIN EN 50173-3

Application-specific communications cabling systems

Profinet yes

UL standard for Communications-Circuit Accessories UL 1863

Industrial communication networks IEC 61918  
Installation in industrial premises**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

**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.).



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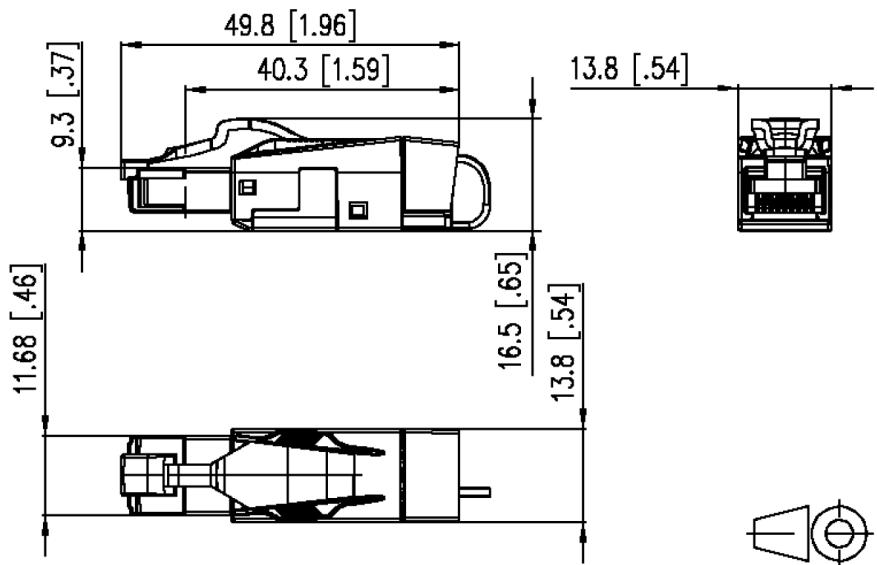
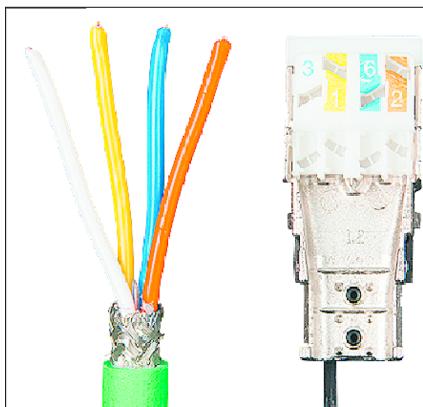
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**Illustrations**

Dimensional drawing


**Wiring diagram**


PIN Nr. / No.	Profinet
1	YE
2	OG
3	WH
4	-
5	-
6	BU
7	-
8	-


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