

Data sheet C5 RJ45 field plug pro 2P 360 PROFINET

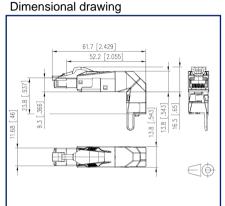
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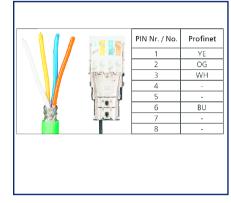
P/N 130E405042PE EAN 4250184189282

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Illustrations







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
- 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 0.46 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 from 5.5 to 9.5 mm
- · zinc die-cast housing for industrial use
- · 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 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	E2
Design	plug
Shielding	shielded
Transmission technology	Copper
Wiring	Profinet
Color	green
Dimensions	
Dimension (L x W x H)	61.7 mm x 13.8 mm x 27.5 mm
Dimension (L x W x H)	2.429 in. x 0.543 in. x 1.083 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 mm² - 0.324 mm²
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 mm² - 0.355 mm²
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 (minmax.)	
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)	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	Diactice	

Material - Housing	GD-211
Material - Contact	CuSn
Material - Contact finish	Ni + Au (nickel-gold)
Material - Latch	Plastics
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	IP2X	
Liquid ingress/immersion	IPX0	

Approvals

UL listed (file no.)



DUXR.E178484







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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 Installation in industrial premises	IEC 61918
onnectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-5:2011-03
terference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03
mission proof	
Electromagnetic emission for residential, commercial and light-industrial environments	DIN EN 61000-6-3:2011-09
classifications	
TIM 7.0	EC001121
TIM 8.0	EC001121
ГIM 9.0	EC001121
TIM 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.).





Data sheet

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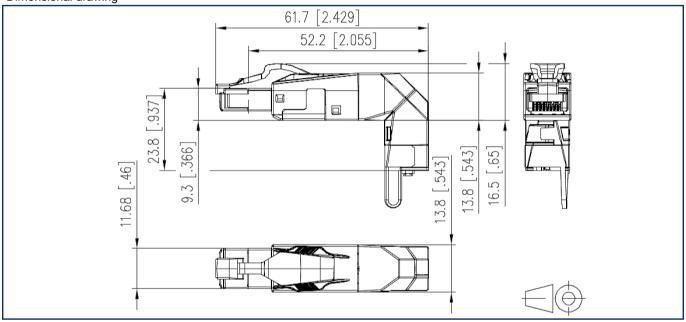
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Dimensional drawing



Wiring diagram

