

Data sheet

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E-DAT Industry RJ45 field plug insert Cat.5 Class D PROFINET

P/N

1401400810PI

EAN 4250184180333

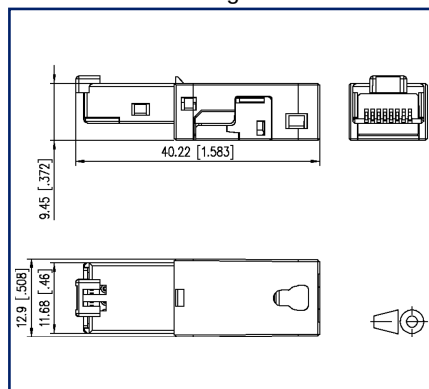
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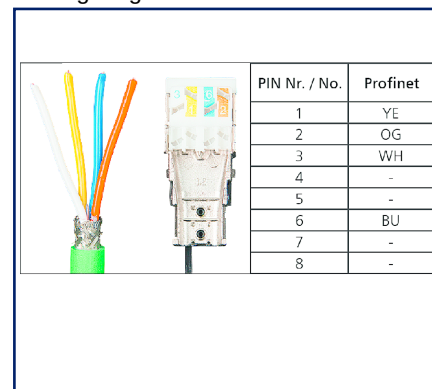
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

- Cat.5 plug to be assembled in the field and mounted in IP67 plug housings of variants 1, 4, 5 and 14
- 100 MBit suitable according to IEEE 802.3
- suitable for Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- 4-wire RJ45 plug for AWG 22 to be assembled in the field
- connection of AWG 26/7 - 22/7, AWG 26/1 - 22/1 possible
- solid copper wire diameter from 0.4 to 0.64 mm
- stranded copper wire diameter from 0.48 to 0.76 mm
- conductor diameter up to 1.6 mm
- cable jacket from 5.5 to 8.5 mm
- consists of only 2 parts
- easy assembly - connection without special tools
- zinc die-cast housing for industrial use
- protected locking hook
- can be used as test plug at IP67 end of variants 1, 4, 5, 6 and 14



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Technical Data

General Data

Fields of application	Industrial Ethernet
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)	40.22 mm x 12.9 mm x 9.45 mm
Dimension (L x W x H)	1.583 in. x 0.508 in. x 0.372 in.
Field assembly ability	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
UPoE	yes
HDBaseT	yes
Transmission rate up to 100 MBit (Fast Ethernet)	IEEE 802.3u

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	4



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Connections/interfaces	
Number of positions/contacts interface 2	8P/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 ² - 0.324 mm ²
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 26/7 - AWG 22/7
Conductor cross section, stranded wire	0.141 mm ² - 0.355 mm ²
Conductor diameter, stranded wire (bare copper)	0.483 mm - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 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 mm
Cable sheath diameter	0.217 in. - 0.335 in.
Cable access/outlet	180°

Electrical characteristics	
Current carrying capacity	max. 1 A at 60 °C
Rated voltage	max. 60 V DC

Mechanical data	
Mounting method	snap-in function

Materials and material properties	
Material - Housing	GD-Zn
Material - Housing finish	copper-nickel (Ni-Cu)
Material - Insulation displacement contacts	CuSn
Material - Finish of insulation displacement contacts	Sn
Material - Contact	CuSn
Material - Contact finish	Ni + Au (nickel-gold)
Material - Shield	Cu-Ni-Zn (nickel silver)



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Materials and material properties

Material - Stuffer cap	PA UL94-V0
Material - Strain relief	PA UL94-V0
Material - Latch	PA UL 94 V0
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

Standards/Regulations

Generic cabling systems	
General requirements	ANSI/TIA-568-C
Office buildings	ISO/IEC 11801 DIN EN 50173-2 ANSI/TIA-568-C
Industrial area	ISO/IEC 24702 DIN EN 50173-3 ANSI/TIA-1005
Living units	ISO/IEC 15018 DIN EN 50173-4 ANSI/TIA-570-B
Application-specific communications cabling systems	
Profinet	yes
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-3:2011-03
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



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Technical Data**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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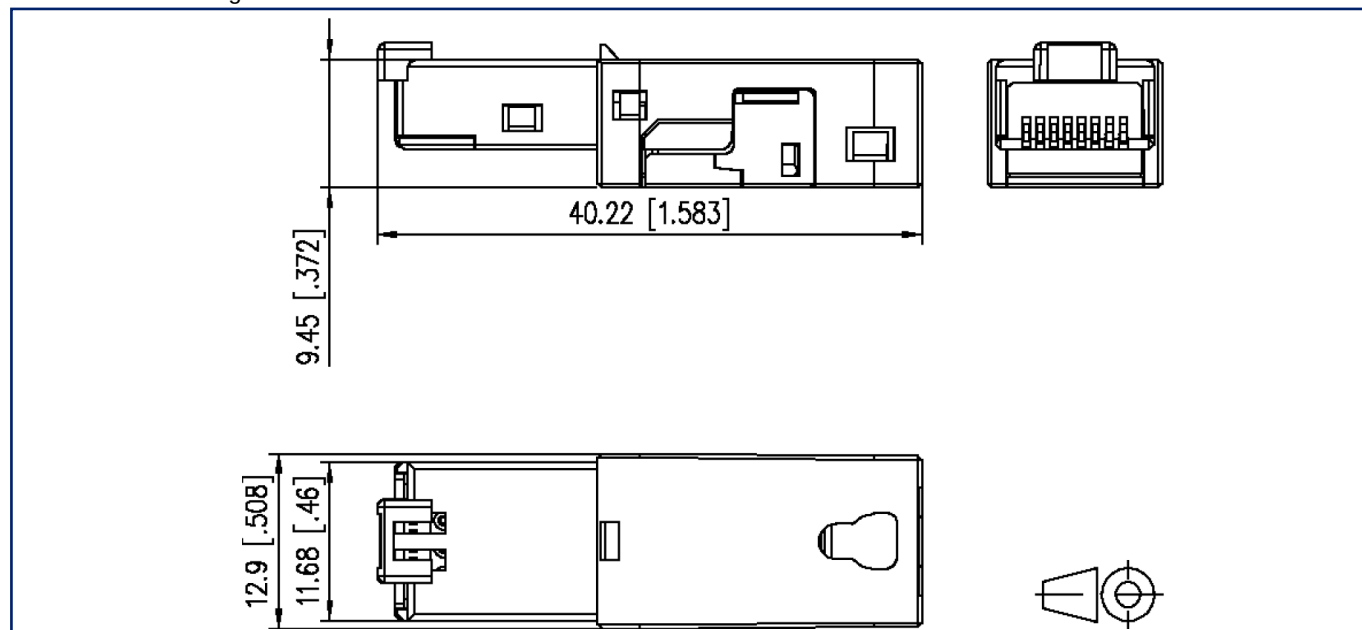
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