

## Data sheet

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

P/N  
1401400810PI

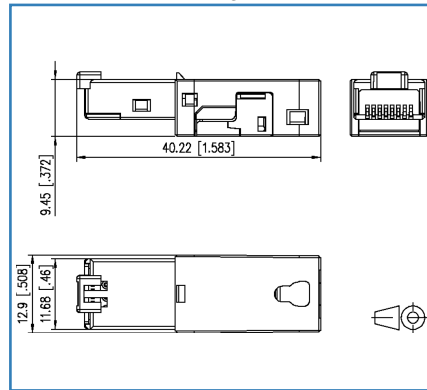
EAN 4250184180333

2017-19-12

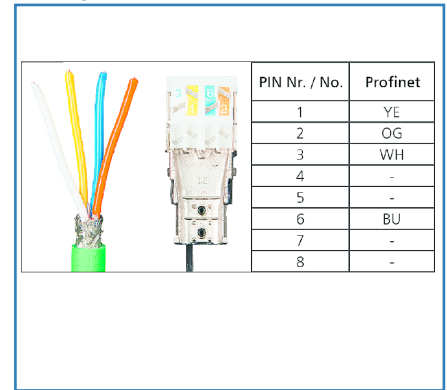
#### Illustrations



Dimensional drawing



Wiring



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
Design	Plugs
Shielding	shielded
Transmission technology	Copper
Wiring	Profinet
Color	green
Dimensions	
Dimension (L x W x H)	40.22 x 12.90 x 9.45 mm
Dimension (L x W x H)	1.583 x 0.508 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	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 26/7 - 22/7
Conductor cross section, stranded wire	0.141 - 0.355 mm <sup>2</sup>
Conductor diameter, stranded wire (bare copper)	0.483 - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 - 0.030 in.

#### Core diameter (min. - max.)

Core diameter (conductor with insulation)	1.60 mm
Core diameter (conductor with insulation)	0.063 in.

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

Cable sheath diameter	5.50 - 8.50 mm
Cable sheath diameter	0.217 - 0.335 in.

Cable access/outlet	180°
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### Mechanical characteristics

Mounting method	snap-in function
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### Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Housing finish	copper-nickel (Ni-Cu)
Material - Insulation displacement contacts	CuSn (tin bronze)
Material - Finish of insulation displacement contacts	Sn (tin)
Material - Contact	CuSn (tin bronze)
Material - Contact finish	Ni + Au (nickel-gold)
Material - Shield	Cu-Ni-Zn (nickel silver)
Material - Stuffer cap	PA UL94-V0
Material - Strain relief	PA UL94-V0
Material - Latch	PA UL94 V0
Material - Finish	Ni (nickel)



### Technical Data

#### Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 - 70 °C
Temperature - Storage °F	-40 - 158 °F
Temperature - Operating °C	-40 - 70 °C
Temperature - Operating °F	-40 - 158 °F
Electromagnetic measurement	E <sub>2</sub>

#### Approvals

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 TIA/EIA 568-C
Office buildings	ISO/IEC 11801 Ed.2.2: 2011-06   DIN EN 50173-2: 2011-09 TIA/EIA 568-C
Industrial area	ISO/IEC 24702   DIN EN 50173-3: 2011-09 TIA/EIA 1005
Living units	ISO/IEC 15018   DIN EN 50173-4: 2011-09 TIA/EIA 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

#### Classifications

ETIM 6.0	EC001121
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#### Packing details

Type of packaging	10 pc(s) / box
Packaging unit - Weight (gram)	213.00 g
Packaging unit - Weight (pound)	0.47 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.



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### Accessories

P/N	Designation
1401009101-I	Industry color coding clip field plug orange
1401009103-I	Industry color coding clip field plug light grey
1401009104-I	Industry color coding clip field plug white
1401009105-I	Industry color coding clip field plug yellow
1401009106-I	Industry color coding clip field plug blue
1401009107-I	Industry color coding clip field plug green



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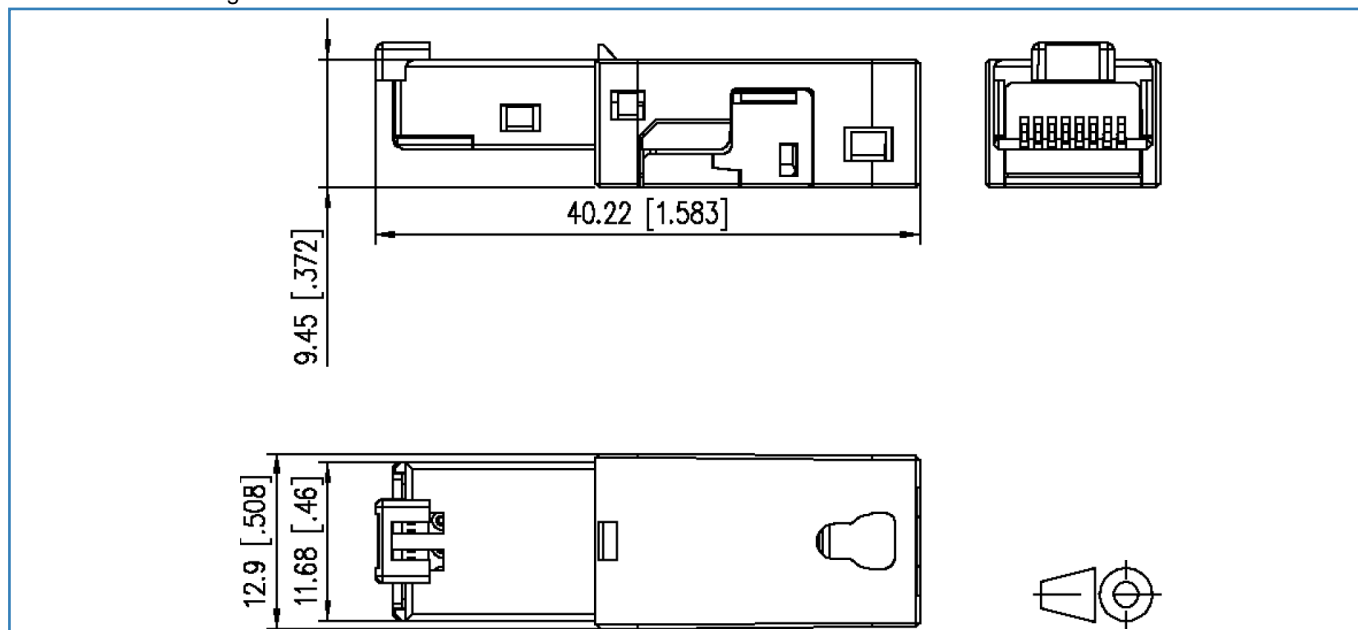
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### Illustrations

Dimensional drawing



Wiring



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

