

P | Cabling

Data sheet

25G RJ45 field plug pro

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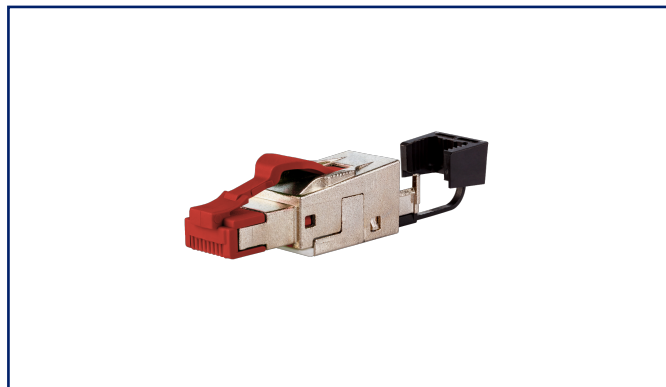
130G405032-E

EAN 4251394618555

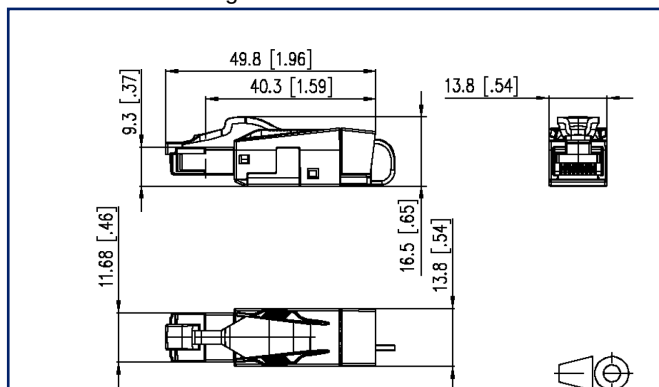
2024/08/16

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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
- straight (180°) cable feed
- 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 10.5 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
Marking option	by latching clip

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 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 27/7 - AWG 22/7
Conductor cross section, stranded wire	0.111 mm ² - 0.355 mm ²
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)	1.6 mm
Core diameter (conductor with insulation)	0.063 in.

Cable sheath diameter (min. - max.)

Cable sheath diameter	5.5 mm - 10.5 mm
Cable sheath diameter	0.217 in. - 0.413 in.

Cable access/outlet

180°

Reconnectibility

yes, if cross section is greater or the same

Shield connection

flexible contact spring

Electrical characteristics

Current carrying capacity	max. 1 A
Rated voltage	max. 50 V
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	1000 V DC
Dielectric strength conductor-shield	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 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 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
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 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, 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

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. 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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