

Data sheet

C6_A RJ45 field plug pro (100 pcs)

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P/N

130E405032-K

EAN 4251122193460

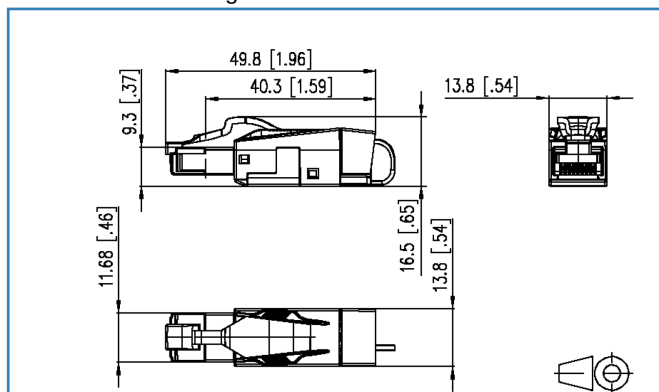
2019/10/25

Version: K

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- Cat.6_A class E_A RJ45 plug 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 0.4 to 0.64 mm
- transmission characteristics Cat.6_A per ISO/IEC 11801 Ed.2.2:2011-06
- compliance with class E_A to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- suitable for 10 GBit Ethernet (IEEE 802.3an), 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

Design

plug

Shielding

shielded

Transmission technology

Copper

Color

black

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

Category (ISO)

6_A

Class (ISO/IEC)

E_A

Category (TIA)

6A

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



Technical Data

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.

Cable sheath diameter (min. - max.)

Cable sheath diameter	5.5 mm - 10.50
Cable sheath diameter	0.217 in. - 0.413
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

Mechanical characteristics

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



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Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Contact	CuSn (tin bronze)
Material - Contact finish	Ni + Au (nickel-gold)
Material - Latch	Plastics
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
Electromagnetic measurement	E2

Approvals

CE	compliant
UL listed (file no.)	DUXR.E178484

The product meets the following standards

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
Application-specific communications cabling systems	
Profinet	yes
Industrial communication networks - Installation of communication networks	IEC 61918



Technical Data

The product meets the following standards

Connectors for electronic equipment

Free and fixed connectors	IEC 60603-7-51
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Connectors for electronic equipment - Tests and measurements

Test schedule for connectors	DIN-EN 60512-99-001, DIN-EN 60512-99-002
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Interference proof

Immunity for industrial environments	DIN EN 61000-6-2:2006-03
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Emission proof

Electromagnetic emission for residential, commercial and light-indus	DIN EN 61000-6-3:2011-09
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Classifications

ETIM 5.0	EC001121
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ETIM 6.0	EC001121
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ETIM 7.0	EC001121
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Packing details

Type of packaging	100 pc(s) / box
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Packaging dimension	235 mm x 165 mm x 135 mm
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Packaging dimension	9.252 in. x 6.496 in. x 5.315 in.
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