

Data sheet

C6_A RJ45 field plug pro 360

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P/N

130E405042-E

EAN 4250184175964

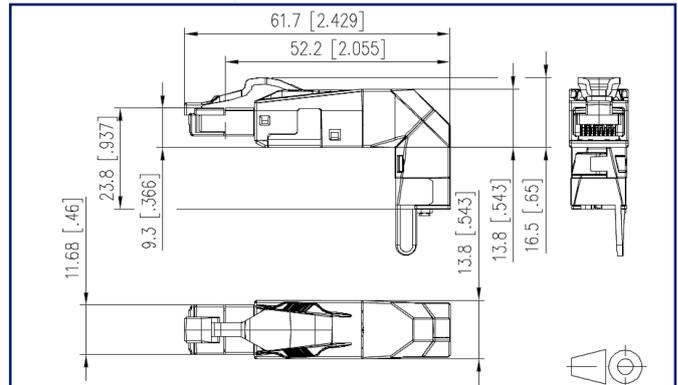
2026/01/26

Version: AG

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
- 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.6_A according to ISO/IEC 11801
- compliance with class E_A according to ISO/IEC 11801, DIN EN 50173-1
- degree of protection IP20
- for cable jacket from 5.50 to 9.50 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
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	black
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)	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

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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
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 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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Electrical characteristics

Dielectric strength conductor-shield 1500 V DC

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 - 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



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Approvals

UL listed (file no.)



DUXR.E178484

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

Application-specific communications cabling systems

Profinet

yes

Industrial communication networks
Installation in industrial premises

IEC 61918

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

ETIM 10.0

EC001121



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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.).



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