

Data sheet

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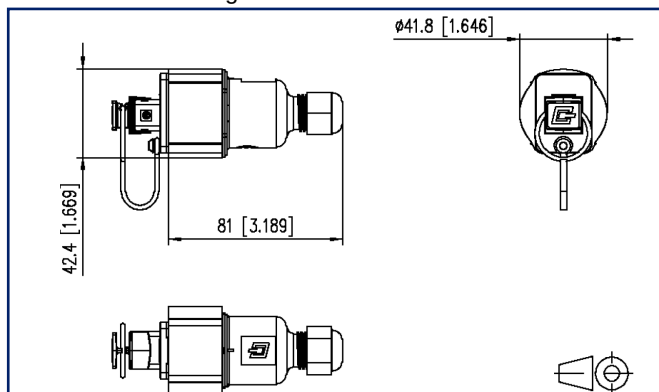
E-DAT Industry IP67 V4 cable coupler + RJ45 field jack insert Cat.6 Class E_A, T568B

P/N
1401845512KE
EAN 4251394601458
2026/08/26
Version: O

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- RJ45 termination unit in flange housing with push-pull-lock acc. to ISO/IEC 24702 and IEC 61076-3-106 standards, var. 4
- compliance with class E_A according to ISO/IEC 11801, DIN EN 50173-1
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE) and HDBaseT
- IP67 protected housing
- AWG 26/7 - 22/7, AWG 26/1 - 22/1 possible
- increased resistance to vibrations and shocks due to 4 springs on the shield plates
- no special tools required
- can be used as cable coupler
- connection of RJ45 plugs available on the market (no IP protection)
- easy, time-saving mounting
- variants: marking of conductor assignment to T568A or T568B



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Technical Data

General Data

Fields of application	office areas harsh environment
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	wall outlet
Shielding	shielded
Transmission technology	Copper
Wiring	T568B
Color	black
Color protective housing	black
Dimensions	
Dimension (L x W x H)	81 mm x 41.8 mm x 42.4 mm
Dimension (L x W x H)	3.189 in. x 1.646 in. x 1.669 in.

Transmission characteristics

Category (ISO)	6
Class (ISO/IEC)	E _A
Category (TIA)	6
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
HDBaseT	yes
Transmission rate up to 10 GBit	IEEE 802.3an

Connections/interfaces

Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45-jack
Number of ports interface 2	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8



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Connections/interfaces	
Number of positions/contacts interface 2	8P/8C
Protective housing interface 1	V4
Protective housing interface 2	V4
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.
Core diameter (min. - max.)	
Core diameter (conductor with insulation)	0.85 mm - 1.6 mm
Core diameter (conductor with insulation)	0.033 in. - 0.063 in.
Cable access/outlet	180°
Ground connection	2.8 mm flat plug
Electrical/ optical properties	
Current carrying capacity	max. 1 A
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	min. 1000 V DC
Dielectric strength conductor-shield	min. 1500 V DC
Mechanical data	
Insertion and withdrawal force	max. 30 N
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	top
strain relief	PG gland

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Materials and material properties

Material - Housing	GD-Zn
Material - Housing finish	CuSnZn
Material - Protective housing	PA UL 94 V0
Material - Contact	Spring steel
Material - Contact finish	Ni + Au (nickel-gold)
Material - Insulation displacement contacts	CuNi2Si
Material - Finish of insulation displacement contacts	Sn
Material - Shield	Cu-Ni-Zn (nickel silver)
Material - Stuffer cap	PC UL94 V0
Material - Insulating body	PC UL94 V0
Material - Finish	Ni (nickel)
Material - Cable gland	PA (polyamide)
Material - Protective housing seal	NBR (nitrile butadiene rubber)
Material - Moulded seal	EPDM (ethylene-propylene-diene)
Material - Protective cap	PA UL 94 V0
Material - Elastic band	EPDM (ethylene-propylene-diene)
Halogen free	yes
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	IP6X
Liquid ingress/immersion	IPX7
Rapid change of temperature	-40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min
Damp heat	+25°C / +77°F / +65°C / +149°F / 93% RH // -10°C / -14°F / 21 cycles
Flowing mixed gas	+25 °C / +77°F / 73% RH / 4 days, H2S / SO2
Vibration	50 m/s ²
Shock	250 m/s ²



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Environmental conditions

General information	This product is suitable for use in industrial environments inside buildings with IPxy protection class according to DIN EN 60529 specified in this data sheet. Not specified for outdoor applications.
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Standards/Regulations

Generic cabling systems	
General requirements	ANSI/TIA-568
Industrial area	ISO/IEC 24702 DIN EN 50173-3 ANSI/TIA-1005
UL standard for Communications-Circuit Accessories	UL 1863
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01
Degrees of Protection Provided by Enclosures	IEC 60529
Interference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03
Climate tests	IEC 60512-11

Classifications

ETIM 7.0	EC002597
ETIM 8.0	EC002597
ETIM 9.0	EC002597
ETIM 10.0	EC002597

Packing details

Type of packaging	1 pc(s) / plastic bag
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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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