

Data sheet

E-DAT Industry IP67 V4 wall outlet, surface mounting + RJ45 field jack insert Cat.6 Class E_A, T568A

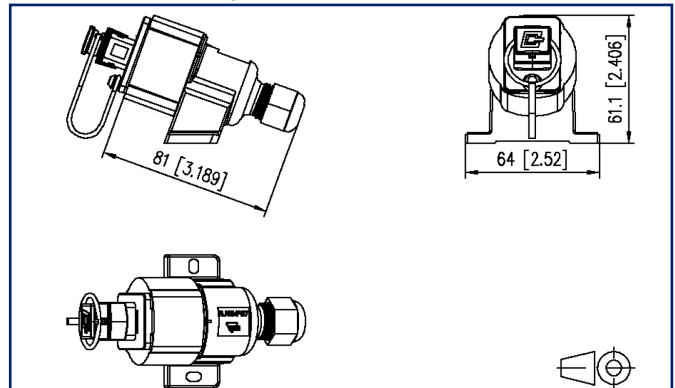
Page 1/6

P/N
1401140012KE
EAN 4250184118411
2021/02/11
Version: AA

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 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 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
- possible surface-mounting in series
- connection of RJ45 plugs available on the market (no IP protection)
- easy, time-saving mounting



P | Cabling

Data sheet

Page 2/6

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Technical Data

General Data

Fields of application	Office Harsh environment
Design	wall outlet
Mounting style	surface mount
Shielding	shielded
Transmission technology	Copper
Wiring	T568A
Color	black
Color protective housing	black
Dimensions	
Dimension (L x W x H)	81 mm x 64 mm x 61.1 mm
Dimension (L x W x H)	3.189 in. x 2.52 in. x 2.406 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
Number of positions/contacts interface 2	8P/8C
Protective housing interface 1	V4
Protective housing interface 2	V4

P | Cabling

Data sheet

Page 3/6

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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 mm² - 0.324 mm²

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 mm² - 0.355 mm²

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

Elektrische/ Optische Eigenschaften

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

Materials and material properties

Material - Housing GD-Zn (zinc die-cast)

Material - Housing finish CuSnZn

Material - Protective housing PA UL94 V0

Material - Contact Spring steel

Material - Contact finish Ni + Au (nickel-gold)

Material - Insulation displacement contacts CuNi2Si

Material - Finish of insulation displacement contacts Sn (tin)

P | Cabling

Data sheet

Page 4/6

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Materials and material properties

Material - Shield	Cu-Ni-Zn (nickel silver)
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 UL94 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
Electromagnetic measurement	E2
Vibration	50 m/s ²
Shock	250 m/s ²
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.

Approvals

UL listed (file no.)

DUXR.E178484



P | Cabling

Data sheet

Page 5/6

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The product meets the following standards

Generic cabling systems	
General requirements	ANSI/TIA-568
Industrial area	ISO/IEC 24702 DIN EN 50173-3 ANSI/TIA-1005
Expansion of Communication Circuit Accessories (DUXR) Category	
Connectors for electronic equipment	UL 1863
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 5.0	EC002597
ETIM 6.0	EC002597
ETIM 7.0	EC002597

Packing details

Type of packaging	1 pc(s) / plastic bag
Packaging unit - Weight (gram)	93 g
Packaging unit - Weight (pound)	0.21 lb
Packaging dimension	160 mm x 100 mm x 380 mm
Packaging dimension	6.299 in. x 3.937 in. x 14.961 in.



P | Cabling

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Page 6/6

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