

Data sheet

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

Page 1/6

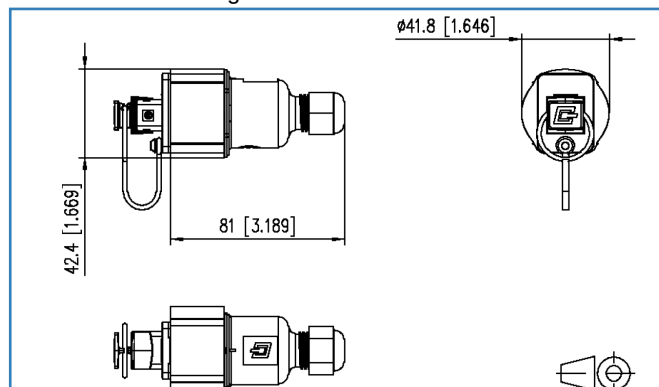
P/N
1401845512KE
EAN 4251394601458

2018-31-01

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 and 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



Data sheet

Page 2/6

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

P/N

1401845512KE

EAN 4251394601458

2018-31-01

Technical Data

General Data

Fields of application

	Office
	Harsh environment
Design	wall outlet
Shielding	shielded
Transmission technology	Copper
Wiring	T568B
Color	black
Color protective housing	black
Dimensions	
Dimension (L x W x H)	81.00 x 41.80 x 42.40 mm
Dimension (L x W x H)	3.189 x 1.646 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
Number of positions/contacts interface 2	8P/8C
Protective housing interface 1	V4
Protective housing interface 2	V4



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

P/N

1401845512KE

EAN 4251394601458

2018-31-01

Technical Data

Connections/interfaces

Termination data, solid wire (min. - max.)

Conductor cross section, solid wire	AWG 26/1 - 22/1
Conductor cross section, solid wire	0.128 - 0.324 mm ²
Conductor diameter, solid wire (bare copper)	0.409 - 0.643 mm
Conductor diameter, solid wire (bare copper)	0.016 - 0.025 in.

Termination data, stranded wire (min. - max.)

Conductor cross section, stranded wire	AWG 26/7 - 22/7
Conductor cross section, stranded wire	0.141 - 0.355 mm ²
Conductor diameter, stranded wire (bare copper)	0.483 - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 - 0.030 in.

Core diameter (min. - max.)

Core diameter (conductor with insulation)	0.85 - 1.60 mm
Core diameter (conductor with insulation)	0.033 - 0.063 in.

Cable access/outlet	180°
---------------------	------

Ground connection	2.8 mm flat plug
-------------------	------------------

Electrical characteristics

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 characteristics

Locking method (protective housing)	Push Pull
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



Data sheet

Page 4/6

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

P/N

1401845512KE

EAN 4251394601458

2018-31-01

Technical Data

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)
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 UL94 V0
Material - Elastic band	EPDM (ethylene-propylene-diene)
Halogen free	yes

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 - 70 °C
Temperature - Storage °F	-40 - 158 °F
Temperature - Operating °C	-40 - 70 °C
Temperature - Operating °F	-40 - 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	E ₂
Vibration	50 m/s ²
Shock	250 m/s ²



Data sheet

Page 5/6

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

P/N

1401845512KE

EAN 4251394601458

2018-31-01

Technical Data

Certifications

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

The product meets the following standards

Generic cabling systems	
General requirements	ISO/IEC 11801 Ed.2.2:2011-06 DIN EN 50173-1:2011-09 TIA/EIA 568-C.2
Industrial area	ISO/IEC 24702 DIN EN 50173-3: 2011-09 TIA/EIA 1005
Expansion of Communication Circuit Accessories (DUXR) Category	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 6.0	EC002597
----------	----------

Packing details

Type of packaging	1 pc(s) / plastic bag
Packaging unit - Weight (gram)	88.00 g
Packaging unit - Weight (pound)	0.19 lb
Packaging dimension (W x H x D)	160.00 x 100.00 x 380.00 mm
Packaging dimension (W x H x D)	6.299 x 3.937 x 14.961 in.



Data sheet

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

Page 6/6

P/N

1401845512KE

EAN 4251394601458

2018-31-01

Illustrations

Dimensional drawing

