

Data sheet

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E-DAT Industry IP67 V6 cable coupler, 1 port Cat.6_A - C6_A modul

P/N

1309515003-E

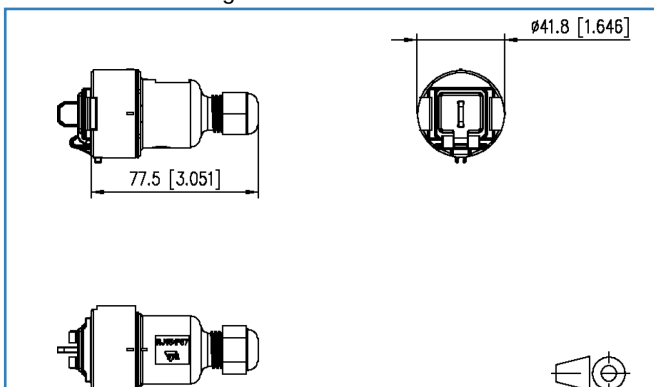
EAN 4250184162346

2016-02-02

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- RJ45 termination unit C6_Amodul in flange housing to ISO/IEC 24702 and IEC 61076-3-106 variant 6
- certified to GHMT Cat.6_A re-embedded PVP
- component testing for Cat.6_A to ISO/IEC 11801 Ed. 2.2: 2011-06, DIN EN 50173-1:2011-09, TIA/EIA-568-C.2 (2009-08) and IEC 60603-7-51 Ed.1 (12/2008), certified to GHMT
- compliance with class E_A to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- tested: component up to 600 MHz, link up to 800 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- easy to install connection of data lines AWG 24/1 to 22/1 (solid wire) and AWG 26/7 to 22/7 (stranded wire) to insulation displacement connectors (IDC)
- intelligent cable management in stuffer cap - also suitable for heavily twisted cables
- conductor assignment to T568A and T568B is directly printed on the stuffer cap
- complies with ingress protection IP67 when plugged in
- plug face according to IEC 61076-3-106 (variant 6)
- large 360° shield contact
- can be used as cable coupler (KK) in variable applications
- connection of RJ45 plugs available on the market (no IP protection)
- mounting without special tools; strain relief directly snapped on to stuffer cap
- color: light gray RAL 7035



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Technical Data

General Data

Fields of application

	Office
	Harsh environment
Design	Wall outlet
Shielding	shielded
Transmission technology	Copper
Wiring	T568A
Color protective housing	light gray
Dimensions	
Dimension (L x W x H)	77.50 x 41.80 x 44.60 mm
Dimension (L x W x H)	3.05 x 1.65 x 1.76 in.

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
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	V6
Protective housing interface 2	V6



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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 mm²

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

Conductor cross section, stranded wire 0.141 mm²

Conductor diameter, stranded wire (bare copper) 0.483 mm

Conductor diameter, stranded wire (bare copper) 0.019 in.

Electrical characteristics

Current carrying capacity max. 1 A

Rated voltage max. 50 V

Contact resistance max. 20 mOhm

Through resistance max. 200 mOhm

Insulation resistance min. 500 MOhm

Dielectric strength conductor-conductor (secondary) max. 1000 V DC

Mechanical characteristics

Insertion and withdrawal force max. 30 N

Position/mounting of latch - standard installation position top

Strain relief latching clip

Materials and material properties

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

Material - Protective housing PA UL94 V0

Material - Contact CuSn (tin bronze)

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

Material - Contact carriers PA 6.6

Material - Cable gland PA (polyamide)

Material - Protective housing seal NBR (nitrile butadiene rubber)

Material - Cap nut PA (polyamide)

Material - Protective cap PA UL94 V0



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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
Electromagnetic measurement	E ₂

Certifications

GHMT Component	yes
GHMT PVP	yes
RoHS	compliant

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
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01
Connectors for electronic equipment - Tests and measurements	
Test schedule for connectors	DIN-EN 60512-99-001: 02-2013, Pg. UEL1
Endurance tests	IEC 60512-9-3: 03-2009
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



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Classifications

ETIM 5.0	EC002597
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Packing details

Type of packaging	1 pc(s) / plastic bag
Packaging unit - Weight (gram)	35.00 g
Packaging unit - Weight (pound)	0.08 lb



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