

Data sheet

E-DAT modul Cat.6_A 8(8) jack, T568B

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P/N

130910-I-B1

EAN 4250184118305

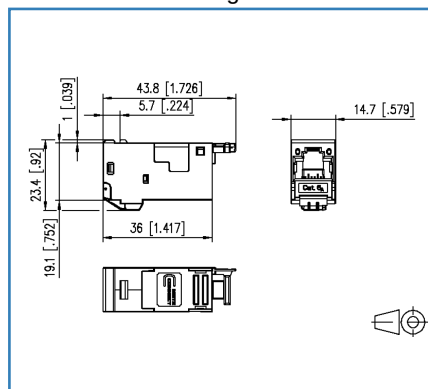
2019/10/25

Version: AQ

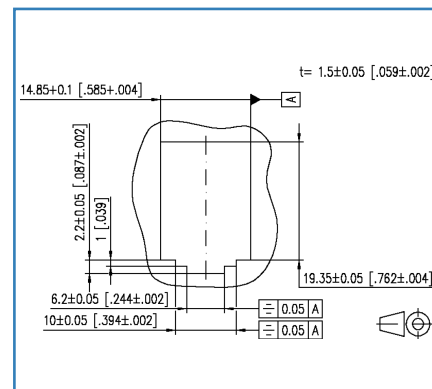
Illustrations



Dimensional drawing



Cut-out



See enlarged drawings at the end of document



Product specification

- modular termination unit Cat.6_A, RJ45
- 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: Link up to 500 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- easy to install connection of 2 to 4 pair data lines
- AWG 26/1 - 22/1 and stranded wires with 7 copper conductors AWG 26/7 - 22/7 to BTR 8-fold insulation displacement connectors (IDC)
- marking of conductor assignment to T568A or T568B
- easy and fast insertion of wire pairs in E-DAT modul stuffer cap
- module housing made of refined zinc die-casting
- mounting without special tools
- strain relief with cable tie at the module
- dust cover amounting option
- mounting version: Modul
- cable feed 180°
- delivery in a 10-piece set, available separately

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Technical Data

General Data

Design	Jack
Shielding	shielded
Transmission technology	Copper
Wiring	T568B
Color	metallike
Dimensions	
Dimension (L x W x H)	43.85 mm x 14.7 mm x 22.4 mm
Dimension (L x W x H)	1.726 in. x 0.579 in. x 0.882 in.
Weight	41.3 g
Weight	0.09 lb
Modularity	yes
Field assembly ability	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

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



Technical Data

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 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.

Cable sheath diameter (min. - max.)

Cable sheath diameter	5.5 mm - 10.00
Cable sheath diameter	0.197 in. - 0.394

Cable access/outlet	180°
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Shield connection	flexible contact spring
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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

Mechanical characteristics

Cut-out	module
Mounting method	snap-in function
Insertion and withdrawal force	max. 20 N
Position/mounting of latch - standard installation position	top
strain relief	with cable tie, attached to module



Technical Data

Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Finish of insulation displacement contacts	Sn (tin)
Material - Contact	CuSn (tin bronze)
Material - Contact finish	Ni + Au (nickel-gold)
Material - Contact carriers	PA 6.6
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
Electromagnetic measurement	E2

Certifications

GHMT Type Approval	Component (valid to: 11/2019)
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Approvals

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



The product meets the following standards

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
Living units	ISO/IEC 15018 DIN EN 50173-4 ANSI/TIA-570-B

Technical Data

The product meets the following standards

Connectors for electronic equipment

Free and fixed connectors	DIN EN 60603-7-51:2011-01
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Connectors for electronic equipment - Tests and measurements

Test schedule for connectors	DIN-EN 60512-99-001, Pg. UEL1
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Interference proof

Immunity for industrial environments	DIN EN 61000-6-2:2006-03
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Emission proof

Electromagnetic emission for residential, commercial and light-indus	DIN EN 61000-6-3:2011-09
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Classifications

ETIM 5.0	EC001121
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ETIM 6.0	EC001121
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ETIM 7.0	EC001121
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Packing details

Type of packaging	10 pc(s) / box
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Packaging unit - Weight (gram)	413 g
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Packaging unit - Weight (pound)	0.91 lb
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Packaging dimension	258 mm x 164 mm x 51 mm
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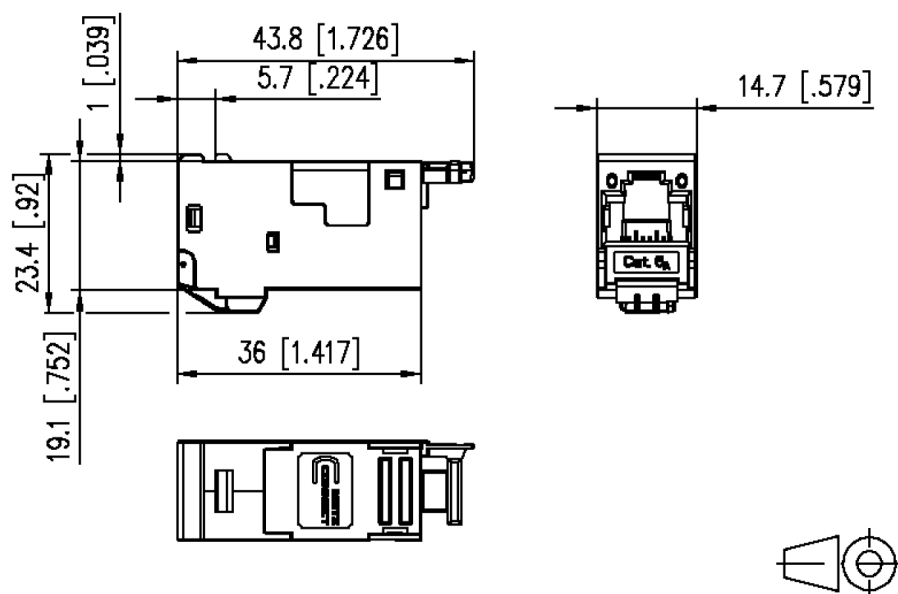
Packaging dimension	10.157 in. x 6.457 in. x 2.008 in.
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Accessories

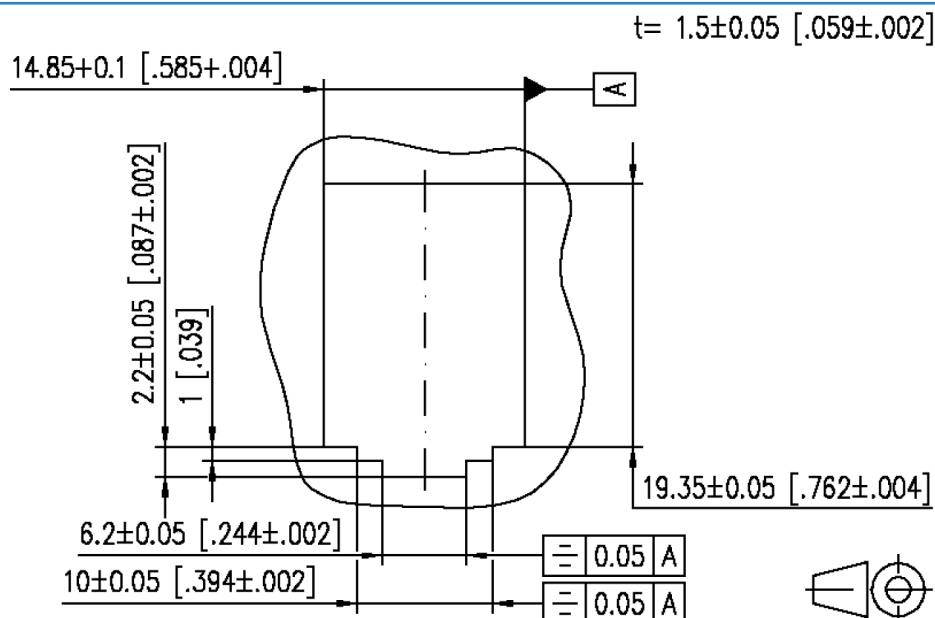
P/N	Designation
820032-0102-I	Dust protection cover for C6 _A modul pure white
820032-0103-I	Dust protection cover for C6 _A modul light gray
820032-0105-I	Dust protection cover for C6 _A modul yellow
820032-0106-I	Dust protection cover for C6 _A modul blue
820032-0107-I	Dust protection cover for C6 _A modul green
820032-0108-I	Dust protection cover for C6 _A modul red
820032-0129-I	Dust protection cover for C6 _A modul black

Illustrations

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P | Cabling

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Wiring

