

Data sheet

E-DAT modul 6x8(8) 3RU patch panel Cat.6

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P/N

130922-02-E

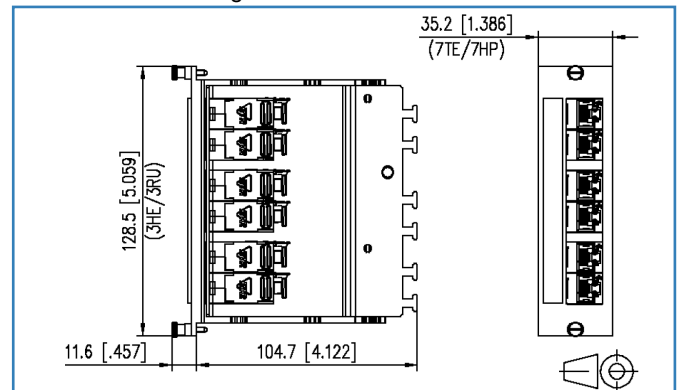
EAN 4250184106180

2015-08-07

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- module frame with 6 "E-DAT modul" individual modules
- 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 to 500 MHz
- for 10 GBit Ethernet (IEEE 802.3an)
- suitable for Power over Ethernet (PoE, PoE plus and UPoE)
- 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
- strain relief directly snapped on to stuffer cap of E-DAT modul
- 3RU module frame front made of silver anodized aluminum for mounting in 3RU assembly frame
- with label window for enclosed identification labels
- optional strain relief using cable ties
- grounding bolt M6 x 10 with nut and lock washer

Technical Data

General Data

Fields of application	Office
Design	patch panel
Mounting style	3RU
Shielding	shielded
Transmission technology	Copper
Wiring	T568A
Color	anodized alu.
Dimensions	
Dimension (L x W x H)	116.30 x 35.20 x 128.50 mm
Dimension (L x W x H)	4.58 x 1.39 x 5.06 in.
Height unit	3RU
Modularity	yes
Labeling option	label window with identification label

Transmission characteristics

Category (ISO)	6
Class (ISO/IEC)	E _A
Category (TIA)	6
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	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	6
Number of ports interface 2 equipped	6
Number of positions/contacts interface 1	48 x 8
Number of positions/contacts interface 2	6 x 8P/8C

Technical Data

Connections/interfaces

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

Conductor cross section, solid wire	AWG 26 - 22
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 - 22
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.

Cable access/outlet	180°
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Ground connection	grounding bolt M6x10 with nut and lock washer
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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
Dielectric strength conductor-conductor (secondary)	max. 1000 V DC

Mechanical characteristics

Insertion and withdrawal force	max. 20 N
Life - Number of mating cycles	min. 750

Materials and material properties

Material - Jack contact	CuSn (tin bronze)
Material - Jack contact finish	Ni + Au (nickel-gold)
Material - Jack shield	GD-Zn (zinc die-cast)
Material - Module support	Al (Aluminium)
Material - Module support finish	silver anodized

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Technical Data

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
Electromagnetic measurement	E ₂

Certifications

GHMT PVP	yes
Gost Certification	yes

Approvals

CE	compliant
RoHS	compliant
UL listed (file no.)	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 (2009-08)
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01
Interference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03

Classifications

ETIM 5.0	EC001128
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Packing details

Type of packaging	1 pc(s) / box
Packaging unit - Weight (gram)	565.00 g
Packaging unit - Weight (pound)	1.25 lb
Packaging dimension (W x H x D)	145.00 x 182.00 x 40.00 mm
Packaging dimension (W x H x D)	5.71 x 7.17 x 1.57 in.

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Accessories

P/N	Designation
899789-01	Label sheet for E-DAT C6 and E-DAT design patch panels



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