

P | Cabling

Data sheet

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

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P/N

130922-02-E

EAN 4250184106180

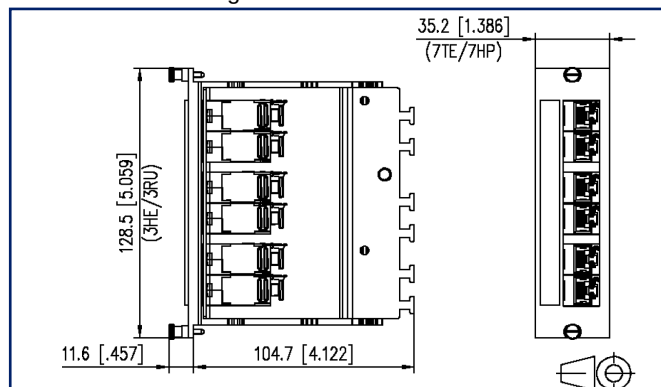
2021/09/01

Version: AA

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)
- 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
- 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
- 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



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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)

116.3 mm x 35.2 mm x 128.5 mm

Dimension (L x W x H)

4.579 in. x 1.386 in. x 5.059 in.

Height unit

3RU

Modularity

yes

Labeling option

label window with identification label

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

6

Number of ports interface 2 equipped

6

Number of positions/contacts interface 1

48 x 8



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Connections/interfaces

Number of positions/contacts interface 2	6 x 8P/8C
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 access/outlet	180°
Ground connection	grounding bolt M6x10 with nut and lock washer

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 data

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
Material - Finish	Ni (nickel)
RoHS	compliant



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Materials and material properties

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

Approvals

CE compliant

UL listed (file no.) DUXR.E178484



The product meets the following standards

Connectors for electronic equipment

Free and fixed connectors DIN EN 60603-7-51:2011-01

Connectors for electronic equipment - Tests and measurements

Test standard for connectors (engaging and separating connectors under electrical load) DIN-EN 60512-99-001, Pg. UEL1

Endurance tests IEC 60512-9-3: 03-2009

Interference proof

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



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Classifications

ETIM 5.0	EC001128
ETIM 6.0	EC001128
ETIM 7.0	EC001128
ETIM 8.0	EC001128

Packing details

Type of packaging	1 pc(s) / box
Packaging unit - Weight (gram)	565 g
Packaging unit - Weight (pound)	1.25 lb
Packaging dimension	145 mm x 182 mm x 40 mm
Packaging dimension	5.709 in. x 7.165 in. x 1.575 in.

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Accessories

P/N	Designation
130898-00-I	BLIND module light gray
130898-00-RW-I	BLIND module pure white
130898-01-I	COAX modul F jack / F jack
130898-02-I	COAX modul IEC jack / F jack
130898-03-I	COAX modul IEC plug / F jack
130908-I-B1	UAE modul Cat.5e white
130909-I	UAE modul Cat.6 jack T568A white
130910-I	E-DAT modul Cat.6 _A 8(8) jack, T568A
130910-I-B1	E-DAT modul Cat.6 _A 8(8) jack, T568B
130910-Z	E-DAT modul Cat.6 _A 8(8) jack, T568A (12 pcs)
1309A0-I	E-DAT modul Coupler 8(8) 180° class E _A
130A11-29-I	UAE modul 8(8) Cat.6 _A black
130A11-I	UAE modul 8(8) Cat.6 _A white
130B11-25-E	25Gmodul
130B11-25-Z	25Gmodul (12 pcs)
130B11-E	C6 _A modul 180° jack
130B11-Z	C6 _A modul 180° jack (12 pcs)
15091001-I	OpDAT modul ST (ceramic, light gray) SM
15091071-I	OpDAT modul LC-D (ceramic, blue) SM
15091072-I	OpDAT modul LC-D (ceramic, aqua) MM
15091075-I	OpDAT modul LC-D (ceramic, violet) MM
15091076-I	OpDAT modul LC-D APC (ceramic, green) SM
1509107B-I	OpDAT modul LC-D (ceramic, beige) MM
899789-01	Label sheet for E-DAT C6 and E-DAT design patch panels

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