

P | Cabling

Data sheet

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

Page 1/9

P/N

130922-02-E

EAN 4250184106180

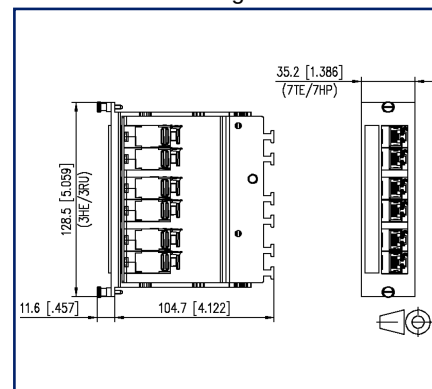
2024/11/12

Version: AI

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- module frame with 6 E-DAT modul individual modules
- Cat.6_A component test according to ISO/IEC 11801, DIN EN 50173-1, ANSI/TIA-568.2-D and IEC 60603-7-51
- compliance with class E_A according to ISO/IEC 11801, DIN EN 50173-1
- 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 and 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

P | Cabling

Data sheet

Page 2/9

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

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Technical Data

General Data

Fields of application	structured building cabling Consolidation points office areas Distributed building services data center
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E2
Design	patch panel
Mounting style	3RU
Shielding	shielded
Transmission technology	Copper
Wiring	T568A and T568B
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
Horizontal pitch	7HP
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 100 MBit (Fast Ethernet)	IEEE 802.3bw



P | Cabling

Data sheet

Page 3/9

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

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Transmission characteristics

Transmission rate up to 1 GBit (Fast Ethernet)	IEEE 902.3ab
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	6 x 8
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 sheath diameter (min. - max.)	
Cable sheath diameter	5.5 mm - 10
Cable sheath diameter	0.197 in. - 0.394
Cable access/outlet	180°
Ground connection	grounding bolt M6x10 with nut and lock washer
Shield connection	flexible contact spring

P | Cabling

Data sheet

Page 4/9

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

P/N

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Electrical characteristics

Current carrying capacity	max. 1 A at 60 °C
Rated voltage	max. 60 V DC
Contact resistance	max. 20 mOhm
Through resistance	max. 200 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	max. 1000 V DC
Dielectric strength conductor-conductor, peak value (secondary)	max. 1.000 V AC
Dielectric strength conductor-shield	max. 1500 V DC
Dielectric strength conductor-shield, peak value	max. 1500 V AC

Mechanical data

Cut-out	Module
Insertion and withdrawal force	max. 30 N
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	left
strain relief	cable tie

Materials and material properties

Material - Jack housing	GD-Zn
Material - Jack contact	Spring steel
Material - Jack contact finish	Ni + Au (nickel-gold)
Material - Terminal block contact	CuSn
Material - Terminal block contact finish	Sn
Material - Jack shield	GD-Zn
Material - Stuffer cap	GD-Zn
Material - Strain relief	stainless steel
Material - Front cover	Al (Aluminium)
Material - Front cover finish	silver anodized
Material - Module support	Al (Aluminium)
Halogen free	yes
RoHS	compliant



P | Cabling

Data sheet

Page 5/9

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

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130922-02-E

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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

Certifications

GHMT Type Approval



Component

Approvals

UL listed (file no.)



DUXR.E178484

Standards/Regulations

Generic cabling systems

General requirements ISO/IEC 11801-1:2017-11 | DIN EN 50173-1:2018-10
ANSI/TIA-568.2-D

Office buildings ISO/IEC 11801-2:2017-11 | DIN EN 50173-2:2018-10
ANSI/TIA-568.2-D

Living units ISO/IEC 11801-4:2017-11 | DIN EN 50173-4:2018-10
ANSI/TIA-570-D

Data centers ISO/IEC 11801-5:2017-11 | DIN EN 50173-5:2018-10
ANSI/TIA-942-B

Connectors for electronic equipment

Free and fixed connectors DIN EN 60603-7-51:2011-01, DIN EN 60603-7:2019-11, DIN EN
60603-7-1:2012-01

Connectors for electronic equipment - Tests and measurements

Test standard for connectors (engaging and
separating connectors under electrical load) DIN-EN 60512-99-001, DIN-EN 60512-99-002

Endurance tests DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01

Degrees of Protection Provided by Enclosures IEC 60529

Climate tests DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01



P | Cabling

Data sheet

Page 6/9

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

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Technical Data

Classifications

ETIM 7.0	EC001128
ETIM 8.0	EC001128
ETIM 9.0	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.

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

P | Cabling

Data sheet

Page 7/9

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

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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 white
130910-DNV	E-DAT modul Cat.6 _A 8(8) jack, T568A+T568B DNV
130910-I	E-DAT modul Cat.6 _A 8(8) jack
130910-I-B1	E-DAT modul Cat.6 _A 8(8) jack, T568B
130910-Z	E-DAT modul Cat.6 _A 8(8) jack, (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-DNV	C6 _A modul 180° jack DNV
130B11-E	C6 _A modul 180° jack
130B11-Z	C6 _A modul 180° jack (12 pcs)
15091001-I	OpDAT modul ST OS2
15091071-I	OpDAT modul LC-Duplex OS2
15091072-I	OpDAT modul LC-Duplex OM3
15091075-I	OpDAT modul LC-Duplex OM4
15091076-I	OpDAT modul LC-Duplex APC OS2
1509107B-I	OpDAT modul LC-Duplex MM
899789-01	Label sheet for E-DAT C6 and E-DAT design patch panels

P | Cabling

Data sheet

Page 8/9

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

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Accessories from

P/N	Designation
130808-01-E	Module frame 3RU 10-inch

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P | Cabling

Data sheet

Page 9/9

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

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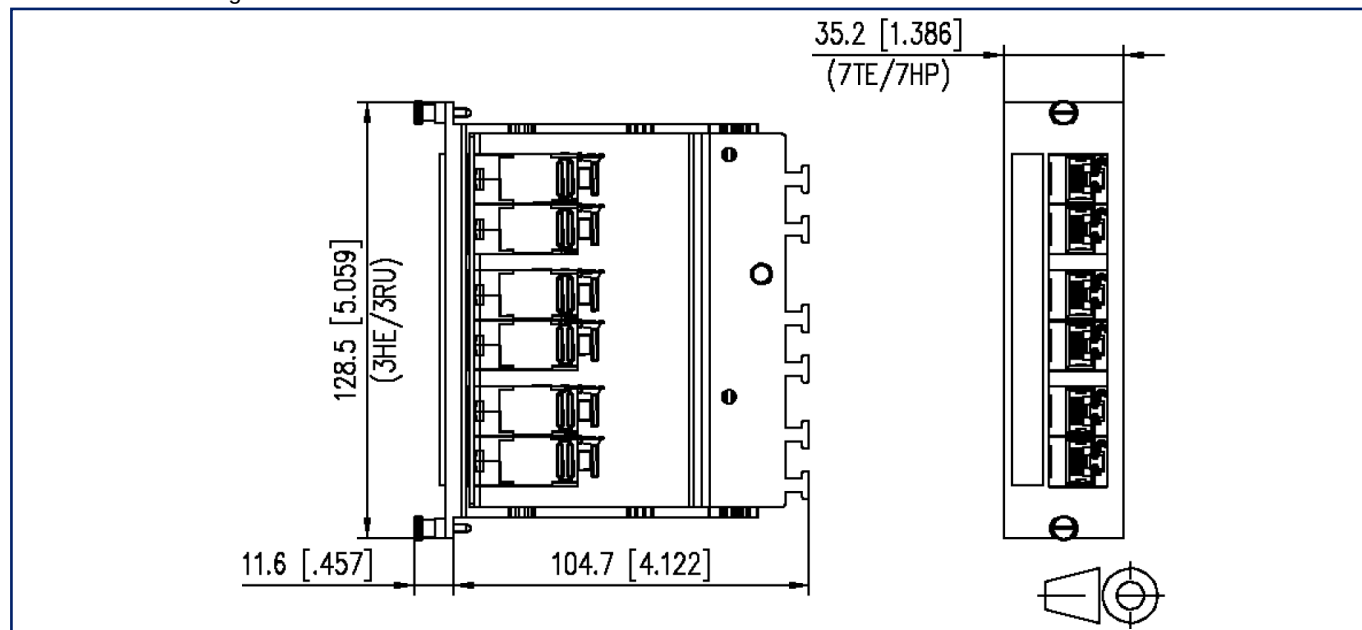
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Illustrations

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Cut-out

