

P | Cabling

Data sheet

E-DAT modul 48x8(8) 1.5RU patch panel Cat.6_A, stainless steel

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P/N

130924-E

EAN 4250184106210

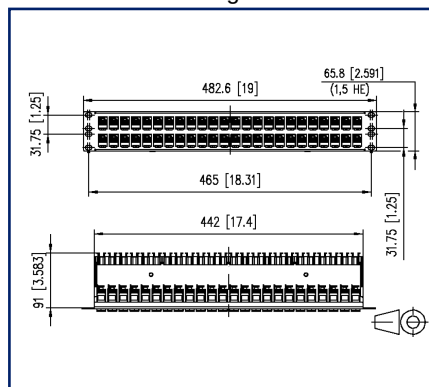
2021/09/01

Version: AA

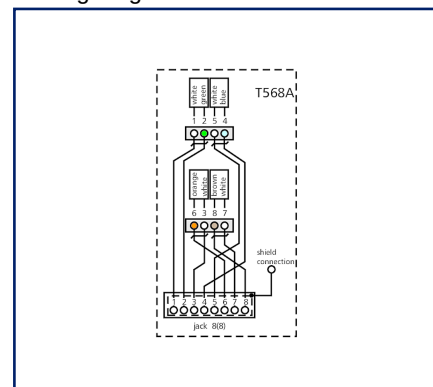
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

- 19 inch 1.5RU stainless steel module frame with 48 individual E-DAT modul 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
- integrated cable support with optional strain relief
- grounding bolt M6 x 10 with nut and lock washer
- incl. 30 cm grounding cable
- all fully shielded modules connected by means of grounding rail



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Technical Data

General Data

Fields of application

Office

Design patch panel

Mounting style 1.5RU

Shielding shielded

Transmission technology Copper

Wiring T568A

Color stainless steel

Dimensions

Dimension (L x W x H) 92.5 mm x 482.6 mm x 65.8 mm

Dimension (L x W x H) 3.642 in. x 19 in. x 2.591 in.

Inches 19 inches

Height unit 1.5RU

Modularity yes

Labeling option printed numbers

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



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Connections/interfaces

Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45-jack
Number of ports interface 2	48
Number of ports interface 2 equipped	48
Number of positions/contacts interface 1	48 x 8
Number of positions/contacts interface 2	48 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°
Grounding wire length	0.3 m
Grounding wire length	0.98 ft
Ground connection	grounding bolt M6x10 with nut and lock washer
Shield connection	flexible contact spring

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



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Mechanical data

Insertion and withdrawal force	max. 20 N
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	top

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	stainless steel
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
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Approvals

CE	compliant
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The product meets the following standards

Generic cabling systems	
General requirements	ISO/IEC 11801-1 DIN EN 50173-1 ANSI/TIA-568-C.2



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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 standard for connectors (engaging and separating connectors under electrical load)	DIN-EN 60512-99-001, Pg. UEL1
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Endurance tests	IEC 60512-9-3: 03-2009
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Interference proof

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

ETIM 5.0	EC001128
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ETIM 6.0	EC001128
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ETIM 7.0	EC001128
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ETIM 8.0	EC001128
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Packing details

Type of packaging	5 pc(s) / box
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Packaging unit - Weight (gram)	2935 g
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Packaging unit - Weight (pound)	6.47 lb
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Packaging dimension	540 mm x 165 mm x 65 mm
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Packaging dimension	21.26 in. x 6.496 in. x 2.559 in.
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Accessories

P/N	Designation
130792	Mounting kit, cage nuts M6
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
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
820032-0107-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

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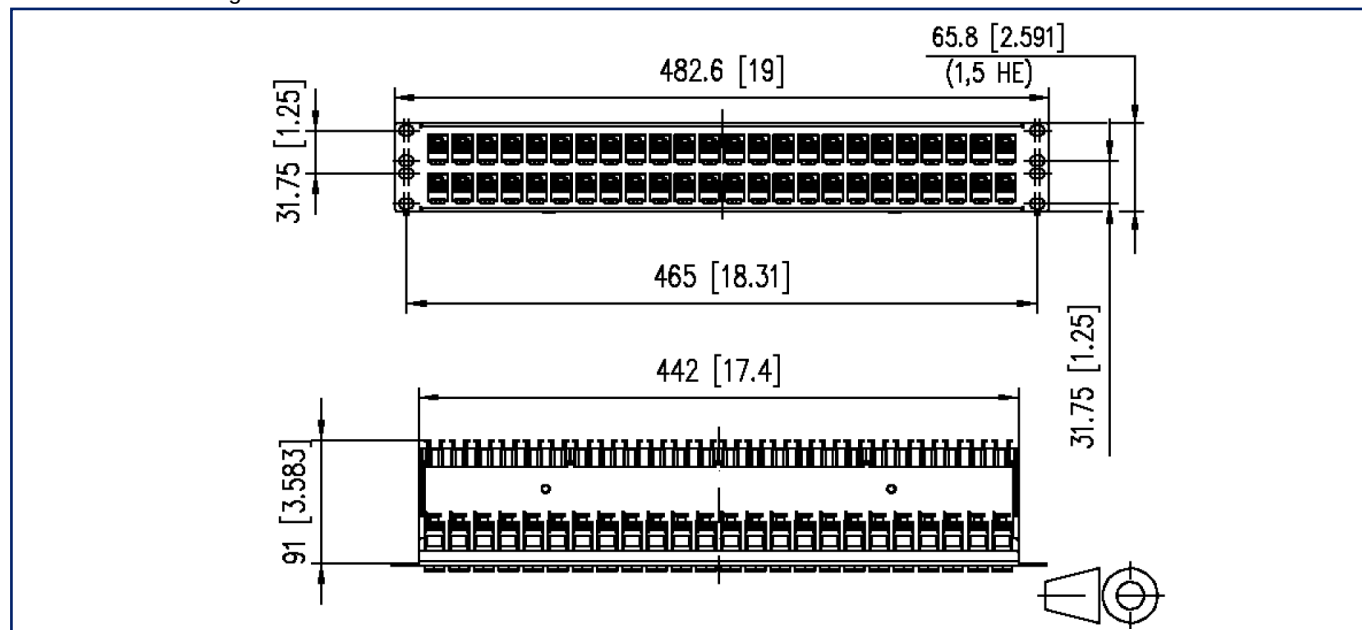
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