

P | Cabling

Data sheet

E-DAT modul 24x8(8) 1RU patch panel Cat.6_A, light gray

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P/N

130920-E

EAN 4250184106135

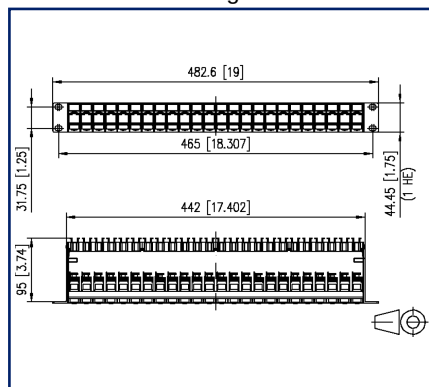
2021/09/01

Version: AB

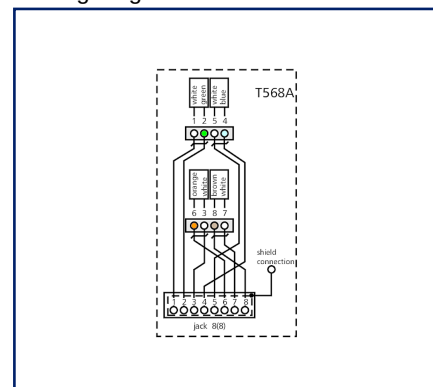
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

- 19 inch 1RU module frame with 24 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 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
- module frame front made of silver anodized aluminum
- plastic module support with dust protection covers (other colors available as accessory), detachable to the front
- integrated cable support with optional strain relief
- label window for identification labels
- label sheet 210 x 297 mm see accessory
- 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

1RU

Shielding

shielded

Transmission technology

Copper

Wiring

T568A

Color

light gray

Dimensions

Dimension (L x W x H)

95 mm x 482.6 mm x 44.45 mm

Dimension (L x W x H)

3.74 in. x 19 in. x 1.75 in.

Inches

19 inches

Height unit

1RU

Modularity

yes

Labeling option

label strip / labeling strip

Marking option

by dust protection

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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Technical Data

Connections/interfaces	
Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45-jack
Number of ports interface 2	24
Number of ports interface 2 equipped	24
Number of ports with dust protection interface 2	24
Number of positions/contacts interface 1	24 x 8
Number of positions/contacts interface 2	24 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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Technical Data

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 - Front cover	Al (Aluminium)
Material - Front cover finish	silver anodized
Material - Module support	ABS
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
UL listed (file no.)	DUXR.E178484



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Technical Data

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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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
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)	1520 g
Packaging unit - Weight (pound)	3.35 lb
Packaging dimension	520 mm x 180 mm x 46 mm
Packaging dimension	20.472 in. x 7.087 in. x 1.811 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
816979-0103-I	Dust protection covers for Modul patch panels subway / REG gray
816979-0105-I	Dust protection covers for Modul patch panels subway / REG yellow
816979-0106-I	Dust protection covers for Modul patch panels subway / REG blue
816979-0107-I	Dust protection covers for Modul patch panels subway / REG green
816979-0108-I	Dust protection covers for Modul patch panels subway / REG red
899011-01	Label sheet for Modul patch panels / REG



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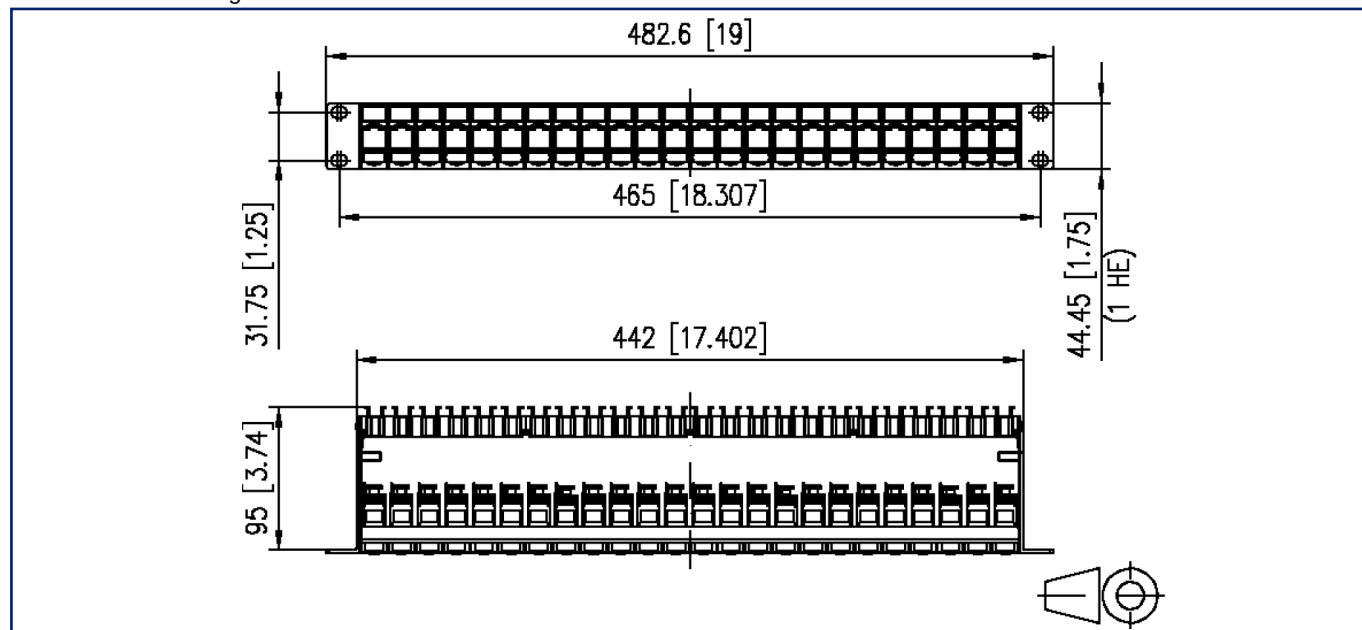
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