

## Data sheet

### E-DAT modul 24x8(8) 1RU patch panel Cat.6<sub>A</sub>, light gray

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P/N  
130920-E

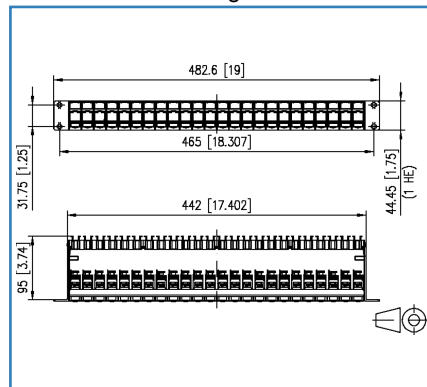
EAN 4250184106135

2017-07-03

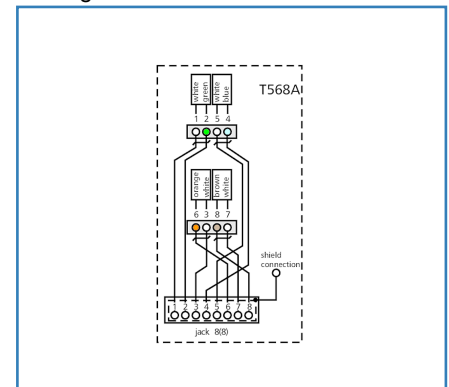
## Illustrations



Dimensional drawing



Wiring



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<sub>A</sub> 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<sub>A</sub> 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 and UPoE) 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

### 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)

95.00 x 482.60 x 44.45 mm

Dimension (L x W x H)

3.74 x 19.00 x 1.75 in.

Inches

19 inches

Height unit

1RU

Modularity

yes

Labeling option

identification label

Marking option

by dust protection

#### Transmission characteristics

Category (ISO)

6<sub>A</sub>

Class (ISO/IEC)

E<sub>A</sub>

Category (TIA)

6A

Remote Powering

yes

PoE

IEEE 802.3af

PoE plus

IEEE 802.3at

UPoE

yes

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

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



### Technical Data

#### Connections/interfaces

Number of positions/contacts interface 2	24 x 8P/8C
Termination data, solid wire (min. - max.)	
Conductor cross section, solid wire	AWG 26/1 - 22/1
Conductor cross section, solid wire	0.128 - 0.324 mm <sup>2</sup>
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 26/7 - 22/7
Conductor cross section, stranded wire	0.141 - 0.355 mm <sup>2</sup>
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°
Grounding wire length	0.30 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

#### Mechanical characteristics

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

### Technical Data

#### 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)

#### 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 <sub>2</sub>

#### Certifications

GHMT PVP	yes
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#### Approvals

CE	compliant
RoHS	compliant
UL listed (file no.)	DUXR.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
Connectors for electronic equipment - Tests and measurements	
Test schedule for connectors	DIN-EN 60512-99-001: 02-2013, Pg. UEL1
Endurance tests	IEC 60512-9-3: 03-2009



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#### The product meets the following standards

##### 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

#### Packing details

Type of packaging	1 pc(s) / box
Packaging unit - Weight (gram)	1520.00 g
Packaging unit - Weight (pound)	3.35 lb
Packaging dimension (W x H x D)	520.00 x 180.00 x 46.00 mm
Packaging dimension (W x H x D)	20.472 x 7.087 x 1.811 in.



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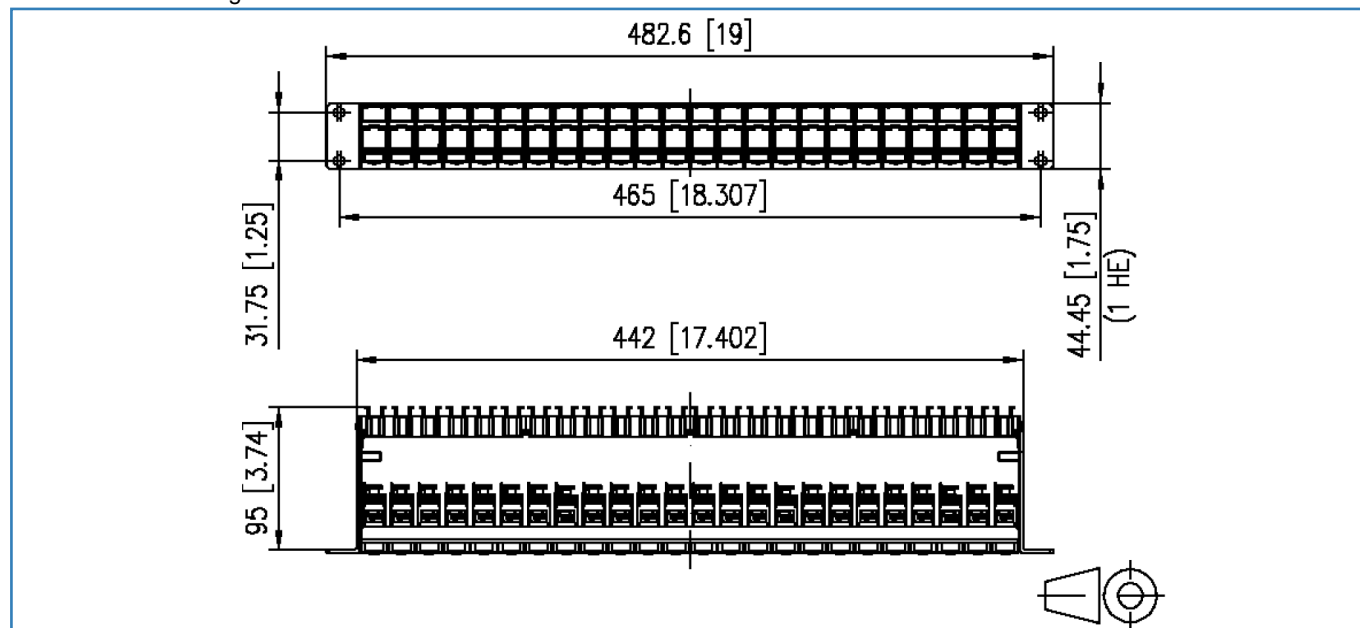
**Accessories**

P/N	Designation
130792	Mounting kit, cage nuts M6
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



### Illustrations

Dimensional drawing



Wiring

