

Data sheet

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

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P/N
130921-E

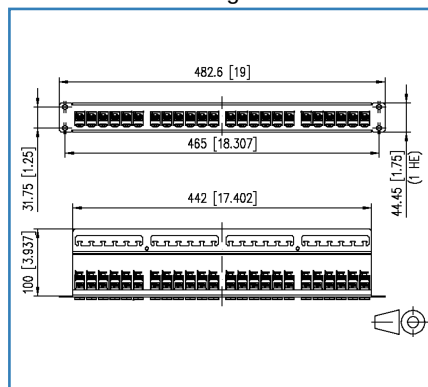
EAN 4250184106166

2018-30-01

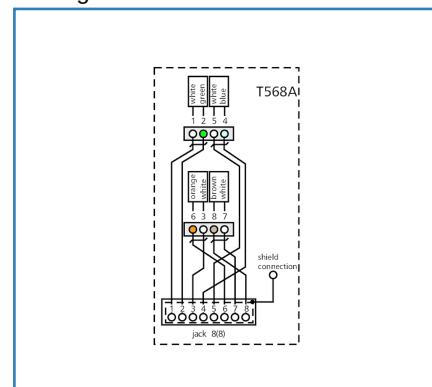
Illustrations



Dimensional drawing



Wiring



See enlarged drawings at the end of document



Product specification

- 19 inch 1RU stainless steel 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), certified to GHMT
- 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 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
- 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

1RU

Shielding

shielded

Transmission technology

Copper

Wiring

T568A

Color

stainless steel

Dimensions

Dimension (L x W x H)

100.00 x 442.00 x 44.45 mm

Dimension (L x W x H)

3.937 x 17.402 x 1.75 in.

Inches

19 inches

Height unit

1RU

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

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 positions/contacts interface 1

24 x 8

Number of positions/contacts interface 2

24 x 8P/8C



Technical Data

Connections/interfaces

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 mm²

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 mm²

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



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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)

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 ₂

Certifications

GHMT Component



GHMT component - Validity period 27.11.2019

Approvals

CE	compliant
RoHS	compliant
UL listed (file no.)	DUXR.E178484  US LISTED

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)



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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

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

Interference proof

Immunity for industrial environments

DIN EN 61000-6-2:2006-03

Classifications

ETIM 5.0

EC001128

ETIM 6.0

EC001128

Packing details

Type of packaging

1 pc(s) / box

Packaging unit - Weight (gram)

1800.00 g

Packaging unit - Weight (pound)

3.97 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



P | Cabling

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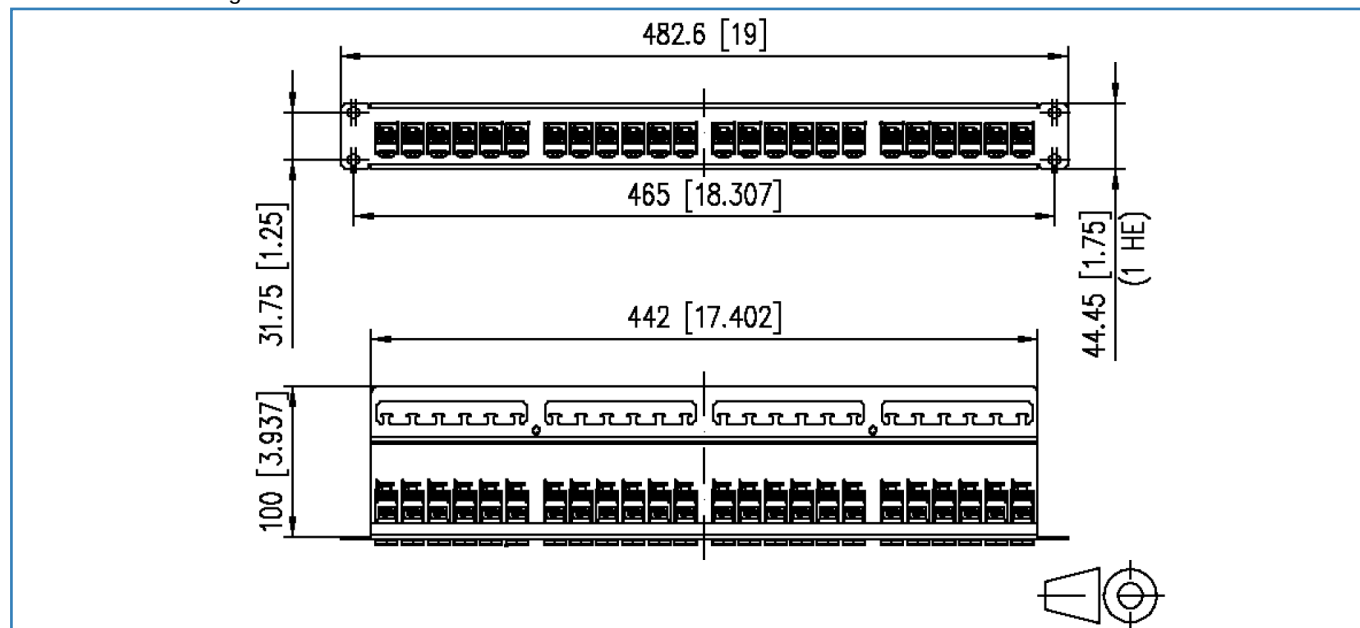
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