

Data sheet

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

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P/N
130924-E

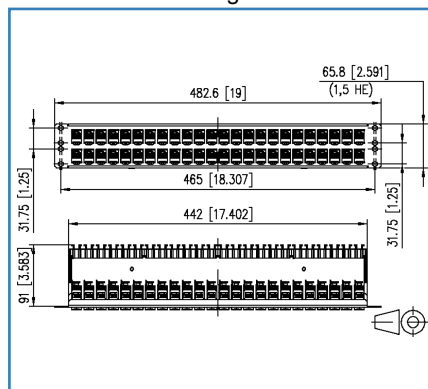
EAN 4250184106210

2017-07-03

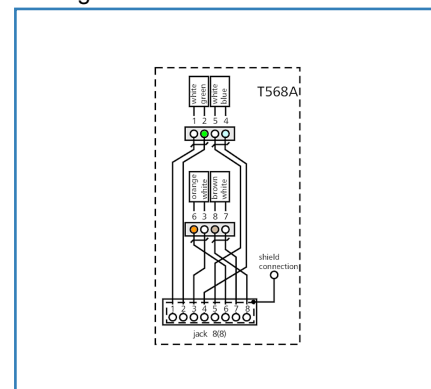
Illustrations



Dimensional drawing



Wiring



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), 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

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)	92.50 x 482.60 x 65.80 mm
Dimension (L x W x H)	3.642 x 19.00 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
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	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

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 mm ²
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 ²
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 - 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 PVP	yes
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Approvals

CE	compliant
RoHS	compliant

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
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)	2935.00 g
Packaging unit - Weight (pound)	6.47 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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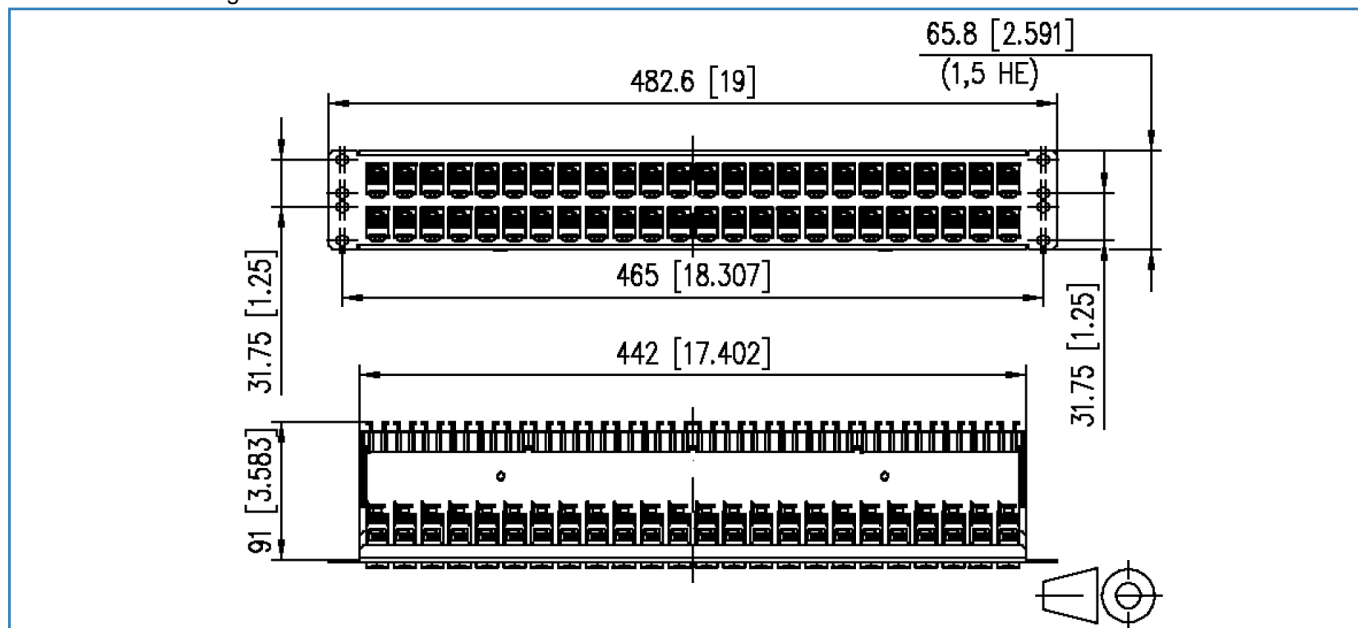
Accessories

P/N	Designation
130792	Mounting kit, cage nuts M6



Illustrations

Dimensional drawing



Wiring

