

P | Cabling

Data sheet

E-DAT design 24x8 patch panel class E link

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P/N

130853-E

EAN 4250184104094

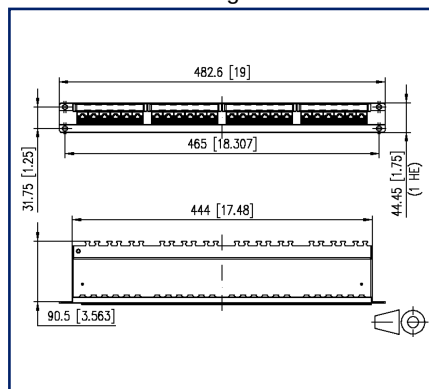
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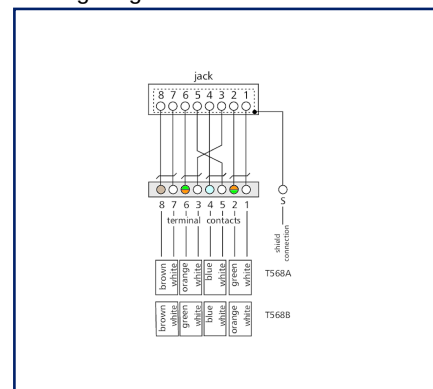
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

- 10 or 19 inch 1RU module frame made of silver anodized aluminum with 12 or 24 individually shielded jacks
- Cat.5e Class E Link Performance according to ISO/IEC11801, DIN EN 50173-1
- suitable for 1 GBit Ethernet (IEEE 802.3), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- pin assignment to ISO/IEC 11801/EN 50173-1, the wire pairs can be led to the terminal without untwisting the pairs
- strain relief using cable ties
- label window for enclosed identification labels
- label sheet 210 x 297 mm see accessory
- grounding bolt M6 x 10 with nut and lock washer
- variants: 2x6 port 10 inch, 4x6 port 19 inch, 24 port 19 inch

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Technical Data

General Data

Fields of application	structured building cabling office areas Distributed building services data center
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E2
Design	patch panel
Mounting style	1RU
Shielding	shielded
Transmission technology	Copper
Wiring	T568A, T568B
Color	anodized alu.
Dimensions	
Dimension (L x W x H)	90.5 mm x 482.6 mm x 44.45 mm
Dimension (L x W x H)	3.563 in. x 19 in. x 1.75 in.
Inches	19 inches
Height unit	1RU
Labeling option	printed numbers

Transmission characteristics

Category (ISO)	5e
Class (ISO/IEC)	E
Category (TIA)	5e
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
4PPoE	IEEE 802.3bt
HDBaseT	yes
Transmission rate up to 100 MBit (Fast Ethernet)	IEEE 802.3bw
Transmission rate up to 1 GBit (Fast Ethernet)	IEEE 802.3ab



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Technical Data

Connections/interfaces

Connector technology interface 1	LSA terminal block
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
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.
Cable access/outlet	180°
Ground connection	grounding bolt M6x10 with nut and lock washer
Shield connection	flexible contact spring

Electrical characteristics

Current carrying capacity	max. 1 A at 60 °C
Rated voltage	max. 60 V DC
Contact resistance	max. 20 mOhm
Through resistance	max. 200 mOhm
Insulation resistance	max. 500 MOhm
Dielectric strength conductor-conductor (secondary)	min. 1000 V DC
Dielectric strength conductor-conductor, peak value (secondary)	max. 1.000 V AC
Dielectric strength conductor-shield	min. 1500 V DC
Dielectric strength conductor-shield, peak value	max. 1500 V AC

Mechanical data

Insertion and withdrawal force	max. 30 N
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	top
strain relief	cable tie



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Materials and material properties

Material - Terminal block housing	PBT (polybutylene terephthalate)
Material - Jack contact	Hyper Ph-Br
Material - Jack contact finish	AuCo
Material - Terminal block contact	CuSn6
Material - Terminal block contact finish	Sn (tin)
Material - Jack shield	CuSn6
Material - Cover	sheet steel
Material - Module support	Al (Aluminium)
Material - Module support finish	silver anodized
Halogen free	yes
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

Standards/Regulations

Generic cabling systems	
General requirements	ISO/IEC 11801-1:2017-11 DIN EN 50173-1:2018-10 ANSI/TIA-568.2-D
Office buildings	ISO/IEC 11801-2:2017-11 DIN EN 50173-2:2018-10 ANSI/TIA-568.2-D
Living units	ISO/IEC 11801-4:2017-11 DIN EN 50173-4:2018-10 ANSI/TIA-570-D
Data centers	ISO/IEC 11801-5:2017-11 DIN EN 50173-5:2018-10 ANSI/TIA-942-B
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01, DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01
Connectors for electronic equipment - Tests and measurements	
Test standard for connectors (engaging and separating connectors under electrical load)	DIN-EN 60512-99-001, DIN-EN 60512-99-002
Endurance tests	DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01



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Standards/Regulations

Climate tests DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01

Classifications

ETIM 5.0	EC001128
ETIM 6.0	EC001128
ETIM 7.0	EC001128
ETIM 8.0	EC001128
ETIM 9.0	EC001128

Packing details

Type of packaging	1 pc(s) / box
Packaging unit - Weight (gram)	1020 g
Packaging unit - Weight (pound)	2.25 lb
Packaging dimension	520 mm x 100 mm x 46 mm
Packaging dimension	20.472 in. x 3.937 in. x 1.811 in.

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Accessories

P/N	Designation
130792	Mounting kit, cage nuts M6
130818-E	Crimp Tool LSA-PLUS®
899789-01	Label sheet for E-DAT C6 and E-DAT design patch panels

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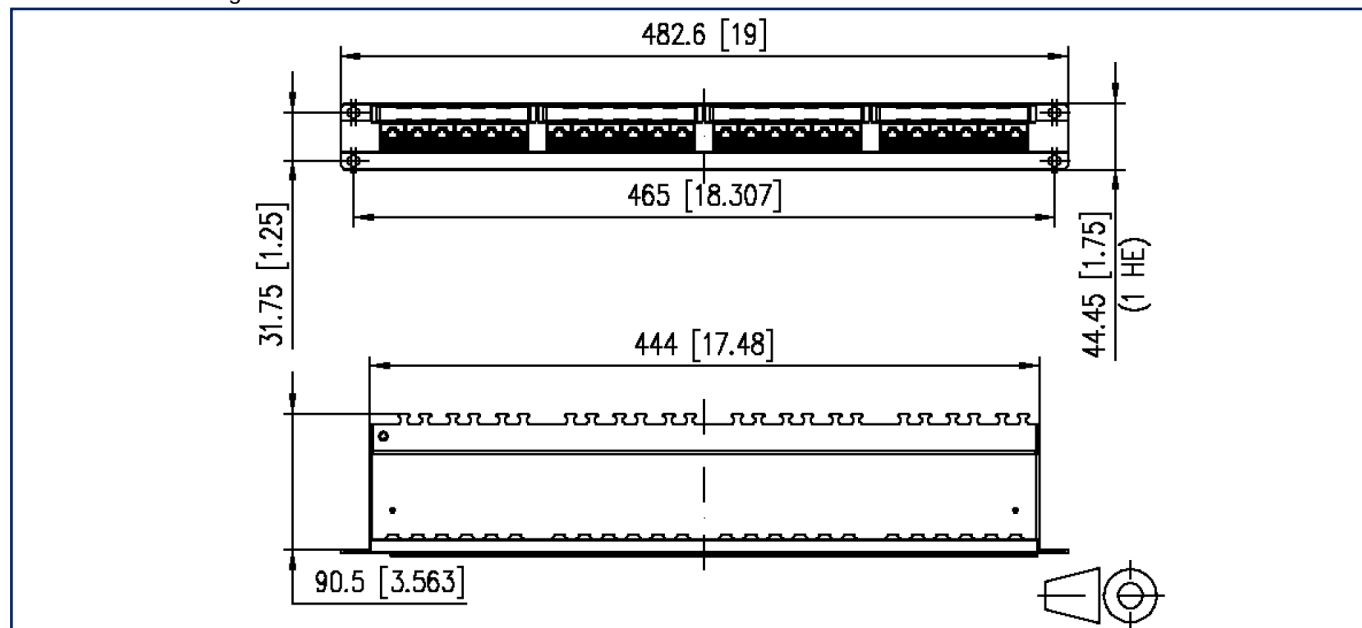
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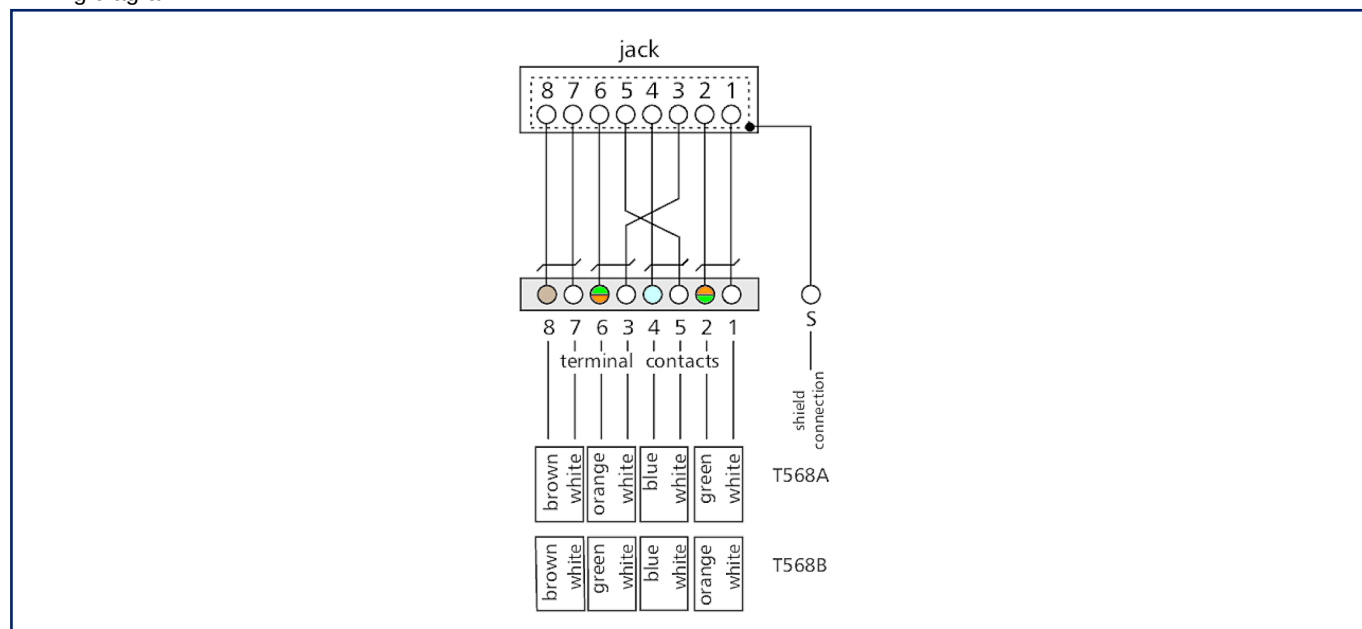
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Illustrations

Dimensional drawing



Wiring diagram



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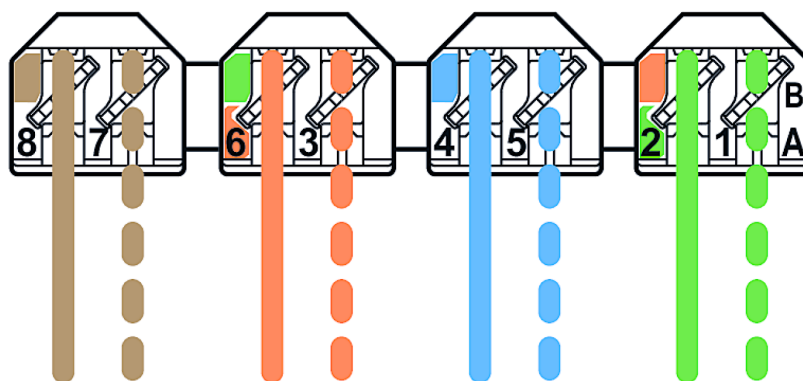
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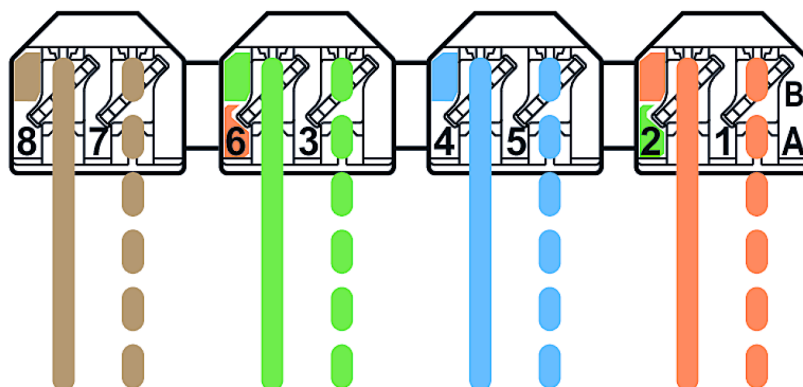
Illustrations

Wiring diagram



T568A

Wiring diagram



T568B

