

# Data sheet

## E-DAT C6 6x8 1HE Modul Cat.6

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P/N  
860018-11-E

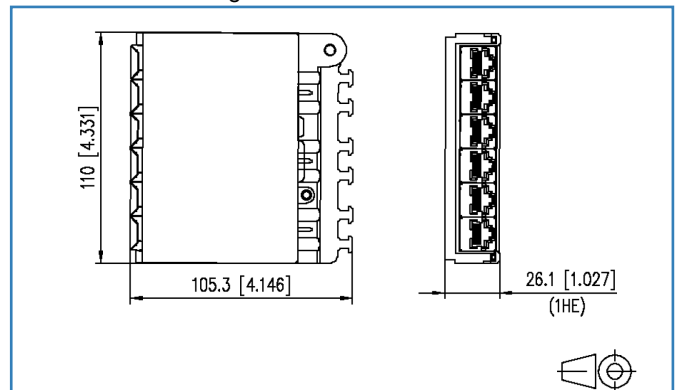
EAN 4250184111771

2015-08-07

### Illustrations



Dimensional drawing



See enlarged drawings at the end of document

### Product specification

- 6 port module housing made of zinc die-casting for mounting in top hat rail adapter, AP empty housing or 1RU 6 port module frame
- certified to GHMT Cat.6 12C-de-embedded
- compliance with class E<sub>A</sub> to ISO/IEC 11801
- Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- tested: Link to 500 MHz
- for 10 GBit Ethernet (IEEE 802.3an)
- suitable for Power over Ethernet (PoE, PoE plus and UPoE)
- wire pairs can be led to the LSA terminal without untwisting the pair
- connection of 2 to 4-pair data lines to LSA insulation displacement connectors (AWG 22-24) conductor colors marking to TIA/EIA 568A
- optional strain relief using cable ties
- incl. 30 cm grounding cable
- grounding bolt M6 x 10 with nut and lock washer

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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	gray
Dimensions	
Dimension (L x W x H)	105.30 x 110.00 x 26.10 mm
Dimension (L x W x H)	4.15 x 4.33 x 1.03 in.
Height unit	1RU

**Transmission characteristics**

Category (ISO)	6
Class (ISO/IEC)	E <sub>A</sub>
Category (TIA)	6
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
Transmission rate up to 10 GBit	IEEE 802.3an

**Connections/interfaces**

Connector technology interface 1	LSA terminal block
Connector technology interface 2	RJ45-jack
Number of ports interface 2	6
Number of ports interface 2 equipped	6
Number of positions/contacts interface 1	6 x 8
Number of positions/contacts interface 2	6 x 8P/8C
Cable access/outlet	180°
Ground connection	grounding bolt M6x10 with nut and lock washer
Shield connection	flexible contact spring

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**Technical Data**

**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

**Materials and material properties**

Material - Terminal block housing	PBT (polybutylene terephthalate)
Material - Jack contact	CuSn (tin bronze)
Material - Jack contact finish	Ni + Au (nickel-gold)
Material - Terminal block contact	CuZn (brass)
Material - Terminal block contact finish	Sn (tin)
Material - Cover	GD-Zn (zinc die-cast)
Material - Module support	GD-Zn (zinc die-cast)

**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>



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**Technical Data**

**Certifications**

GHMT PVP	yes
Gost Certification	yes

**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

**Classifications**

ETIM 5.0	EC001128
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**Packing details**

Type of packaging	1 pc(s) / box
Packaging unit - Weight (gram)	429.00 g
Packaging unit - Weight (pound)	0.95 lb
Packaging dimension (W x H x D)	139.00 x 115.00 x 37.00 mm
Packaging dimension (W x H x D)	5.47 x 4.53 x 1.46 in.



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