

# P | Cabling

## Data sheet

### E-DAT modul 1 port AP Cat.6<sub>A</sub>, pure white

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P/N

1309110002-E

EAN 4250184105534

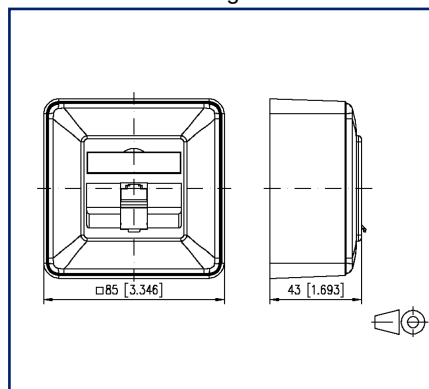
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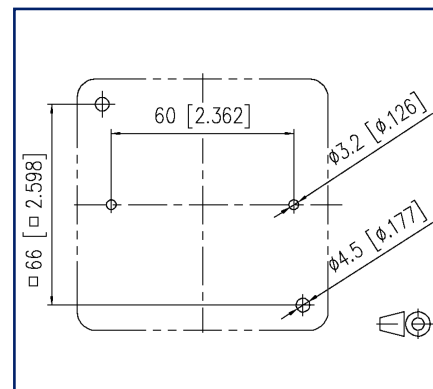
## Illustrations



Dimensional drawing



Cut-out



See enlarged drawings at the end of document

## Product specification

- surface-mount termination unit with E-DAT modul
- component testing for Cat.6<sub>AA</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> up to 500 MHz to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- tested: component up to 500 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) 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 plug direction 45° downwards
- strain relief with cable tie at the module
- with label window for enclosed identification labels
- label sheet 209 x 294 mm see accessory
- integrated dust protection covers (also colored)
- cover parts in traffic white RAL 9016, pearl white RAL 1013 or pure white RAL 9010, structured surface with matt finish
- variants: 1 port, 2 ports, 3 ports
- color variants: traffic white or pure white



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### Technical Data

#### General Data

Fields of application

Office

Design

wall outlet

Mounting style

surface mount

Shielding

shielded

Transmission technology

Copper

Color

Pure white RAL 9010

Dimensions

Dimension (L x W x H)

43 mm x 85 mm x 85 mm

Dimension (L x W x H)

1.693 in. x 3.346 in. x 3.346 in.

Modularity

yes

Labeling option

label window with 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

4PPoE

IEEE 802.3bt

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

1

Number of ports interface 2 equipped

1

Number of positions/contacts interface 1

8

Number of positions/contacts interface 2

8P/8C



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### Technical Data

#### Connections/interfaces

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<sup>2</sup> - 0.324 mm<sup>2</sup>

Conductor diameter, solid wire (bare copper) 0.409 mm - 0.643 mm

Conductor diameter, solid wire (bare copper) 0.016 in. - 0.025 in.

Termination data, stranded wire (min. - max.)

Conductor cross section, stranded wire AWG 26/7 - AWG 22/7

Conductor cross section, stranded wire 0.141 mm<sup>2</sup> - 0.355 mm<sup>2</sup>

Conductor diameter, stranded wire (bare copper) 0.483 mm - 0.762 mm

Conductor diameter, stranded wire (bare copper) 0.019 in. - 0.03 in.

Module plug-in direction 45° downwards

Shield connection flexible contact spring

#### Elektrische/ Optische Eigenschaften

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 data

Cut-out module

Insertion and withdrawal force max. 20 N

Position/mounting of latch top

strain relief cable tie

#### Materials and material properties

Material - Housing Plastics

Material - Surface mount frame ABS, impact resistant

Material - Cover part(s) ABS

Material - Supporting frame GD-Zn (zinc die-cast)

Material - Label window ABS, transparent

Material - Dust protection ABS

Material - Contact CuSn (tin bronze)

Material - Contact finish Ni + Au (nickel-gold)

Material - Shield GD-Zn (zinc die-cast)



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### Technical Data

#### Materials and material properties

|                   |             |
|-------------------|-------------|
| Material - Finish | Ni (nickel) |
| 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 |
| Electromagnetic measurement | E2              |

#### Certifications

|                      |              |
|----------------------|--------------|
| GHMT Type Approval   | Component    |
| Approvals            |              |
| UL listed (file no.) | DUXR.E178484 |



#### 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 standard for connectors (engaging and separating connectors under electrical load) | DIN-EN 60512-99-001, Pg. UEL1 |

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001264 |
| ETIM 6.0 | EC001264 |
| ETIM 7.0 | EC001264 |



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### Packing details

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Type of packaging               | 10 pc(s) / box                      |
| Packaging unit - Weight (gram)  | 1435 g                              |
| Packaging unit - Weight (pound) | 3.16 lb                             |
| Packaging dimension             | 340 mm x 266 mm x 126 mm            |
| Packaging dimension             | 13.386 in. x 10.472 in. x 4.961 in. |



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## Accessories

| P/N           | Designation                                         |
|---------------|-----------------------------------------------------|
| 130829-02-I   | Surface mount frame 85 x 85 mm - Single, pure white |
| 820394-0105-I | Dust protection covers for wall outlets yellow      |
| 820394-0106-I | Dust protection covers for wall outlets blue        |
| 820394-0107-I | Dust protection covers for wall outlets green       |
| 820394-0108-I | Dust protection covers for wall outlets red         |
| 820395-0102-I | Cover plate 80 x 80 mm, pure white, module          |
| 899650-01     | Label sheet for wall outlets                        |

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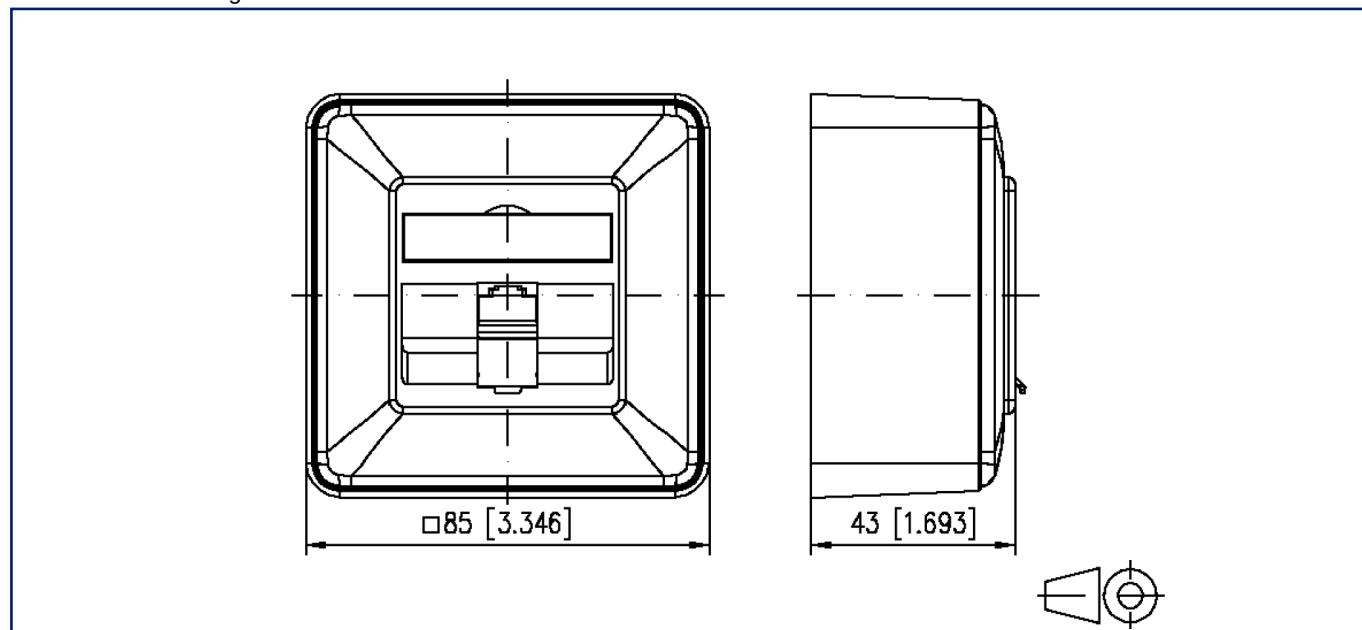
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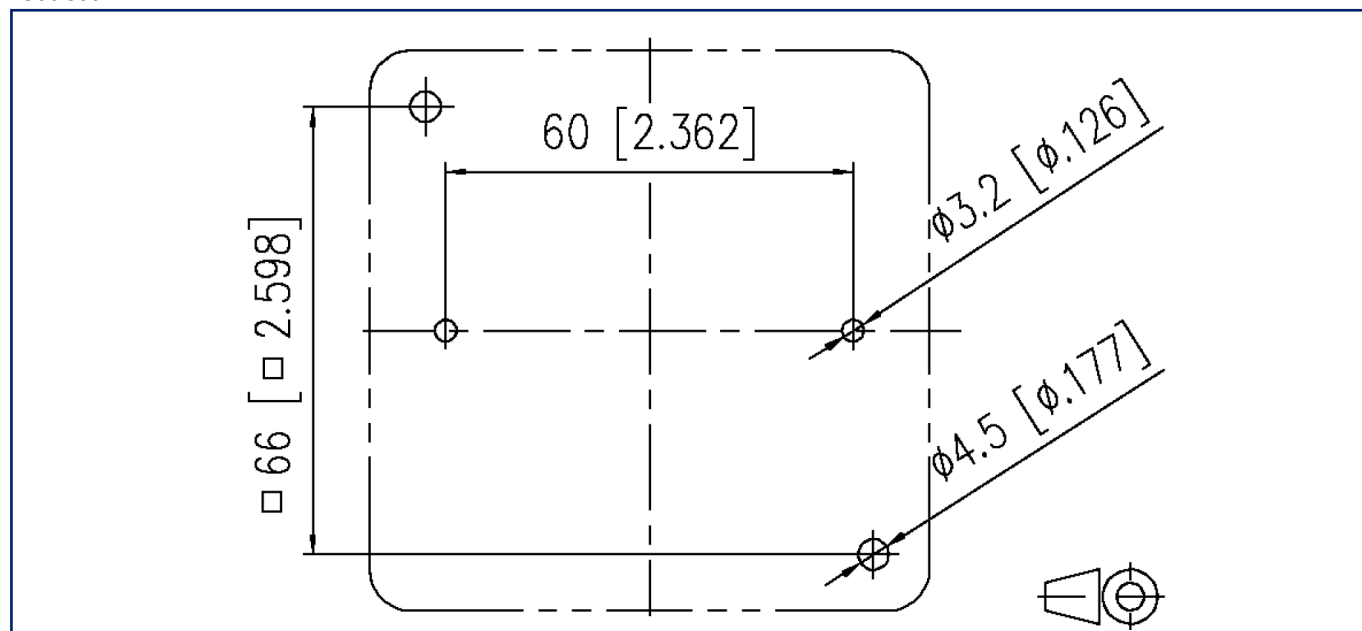
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Wiring diagram

