

## Data sheet

### C6<sub>A</sub>modul 2 port 180°M AP pure white

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P/N

130B11D20002-E

EAN 4250184131656

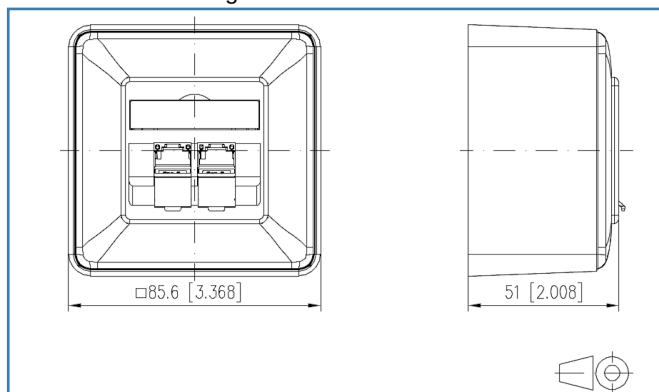
2019/10/25

Version: AA

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document



## Product specification

- surface-mount termination unit with C6modul 180°
- certified to GHMT Cat.6 re-embedded PVP
- component testing for Cat.6 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 up to 500 MHz to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- tested: component up to 600 MHz, link up to 800 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- connection of data lines AWG 26/1 to 22/1 (solid wire) and AWG 26/7 to 22/7 (stranded wire) to insulation displacement connectors (IDC)
- migration to 25G-systems without special tools
- module plug direction 45° downwards
- strain relief snapped on to stuffer cap
- with label window for enclosed identification labels
- label sheet 209 x 294 mm see accessory
- integrated dust protection covers (also colored)
- cover parts in pure white RAL 9010, structured surface with matt finish
- variants: 1 port, 2 ports, 3 ports



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### Technical Data

#### General Data

##### Fields of application

|                         |                                        |
|-------------------------|----------------------------------------|
|                         | Office                                 |
| Design                  | wall outlet                            |
| Mounting style          | surface mount                          |
| Shielding               | shielded                               |
| Transmission technology | Copper                                 |
| Wiring                  | T568A, T568B                           |
| Color                   | Pure white                             |
| Dimensions              |                                        |
| Dimension (L x W x H)   | 51 mm x 85.6 mm x 85.6 mm              |
| Dimension (L x W x H)   | 2.008 in. x 3.37 in. x 3.37 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            |
| 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                      | 2              |
| Number of ports interface 2 equipped             | 2              |
| Number of positions/contacts interface 1         | 2 x 8          |
| Number of positions/contacts interface 2         | 2 x 8P/8C      |
| Number of ports with dust protection interface 2 | 2              |



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#### 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 |
| Cable access/outlet      | 180°          |

#### 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 characteristics

|                                                             |               |
|-------------------------------------------------------------|---------------|
| Cut-out                                                     | module        |
| Insertion and withdrawal force                              | max. 30 N     |
| Position/mounting of latch - standard installation position | top           |
| strain relief                                               | latching clip |

#### Materials and material properties

|                                |                       |
|--------------------------------|-----------------------|
| Material - Housing             | GD-Zn (zinc die-cast) |
| 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             | Spring steel          |



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#### Materials and material properties

|                           |                       |
|---------------------------|-----------------------|
| Material - Contact finish | Au (gold)             |
| Material - Shield         | GD-Zn (zinc die-cast) |
| Material - Stuffer cap    | PA 6.6 UL94 V0        |
| Material - Finish         | Ni (nickel)           |
| Material - Strain relief  | PA 6.6 UL94 V0        |
| RoHS                      | compliant             |

#### Environmental conditions

|                             |                                                    |
|-----------------------------|----------------------------------------------------|
| Temperature (min. - max.)   |                                                    |
| Temperature - Storage Â°C   | -40 °C - 70 °C                                     |
| Temperature - Storage Â°F   | -40 °F - 158 °F                                    |
| Temperature - Operating °C  | -40 °C - 70 °C                                     |
| Temperature - Operating °F  | -40 °F - 158 °F                                    |
| Particulate ingress         | IP2X                                               |
| Liquid ingress/immersion    | IPX0                                               |
| Rapid change of temperature | -40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min |
| Electromagnetic measurement | E2                                                 |

#### Certifications

|          |     |
|----------|-----|
| GHMT PVP | yes |
|----------|-----|

#### Approvals

|    |           |
|----|-----------|
| CE | compliant |
|----|-----------|

|                      |                                                                                      |              |
|----------------------|--------------------------------------------------------------------------------------|--------------|
| UL listed (file no.) |  | DUXR.E178484 |
|----------------------|--------------------------------------------------------------------------------------|--------------|

#### The product meets the following standards

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| Generic cabling systems |                                                                  |
| General requirements    | ANSI/TIA-568-C                                                   |
| Office buildings        | ISO/IEC 11801 Ed.2.2: 2011-06   DIN EN 50173-2<br>ANSI/TIA-568-C |
| Living units            | ISO/IEC 15018   DIN EN 50173-4<br>ANSI/TIA-570-B                 |



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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, DIN-EN 60512-99-002

Interference proof

Immunity for industrial environments

DIN EN 61000-6-2:2006-03

#### Classifications

ETIM 5.0

EC001264

ETIM 6.0

EC001264

ETIM 7.0

EC001264

#### Packing details

Type of packaging

10 pc(s) / box

Packaging unit - Weight (gram)

1856 g

Packaging unit - Weight (pound)

4.09 lb

Packaging dimension

340 mm x 266 mm x 126 mm

Packaging dimension

13.386 in. x 10.472 in. x 4.961 in.



### Accessories

| P/N           | Designation                                    |
|---------------|------------------------------------------------|
| 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    |
| 899650-01     | Label sheet for wall outlets                   |

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