

## Data sheet

### C6<sub>A</sub>modul 1 port 270°M UP0

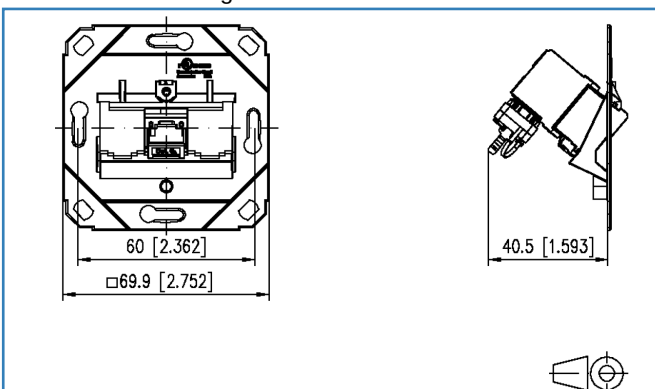
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130B12D11200-E  
EAN 4250184131892  
2019/10/25  
Version: Z

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- raceway termination unit with C6<sub>A</sub>modul 270°
- certified to GHMT Cat.6<sub>A</sub> re-embedded PVP
- component testing for Cat.6<sub>A</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
- 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)
- module plug direction 45° downwards
- strain relief snapped on to stuffer cap
- compatible with "design" central units of switch lines
- suitable for mounting in standard flush-mounted and cavity wall casings, except 3 port version!
- variants: 1 port, 2 ports, 3 ports

### Technical Data

#### General Data

##### Fields of application

|                         |                                   |
|-------------------------|-----------------------------------|
|                         | Office                            |
| Design                  | wall outlet                       |
| Shielding               | shielded                          |
| Transmission technology | Copper                            |
| Wiring                  | T568A, T568B                      |
| Color                   | metallike                         |
| Dimensions              |                                   |
| Dimension (L x W x H)   | 40.5 mm x 69.9 mm x 69.9 mm       |
| Dimension (L x W x H)   | 1.594 in. x 2.752 in. x 2.752 in. |
| Modularity              | yes                               |

#### 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              | 1              |
| Number of ports interface 2 equipped     | 1              |
| Number of positions/contacts interface 1 | 8              |
| Number of positions/contacts interface 2 | 8P/8C          |



### 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 |
| Cable access/outlet      | 270°          |

#### 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 - Supporting frame | GD-Zn (zinc die-cast) |
| Material - Contact          | Spring steel          |
| Material - Contact finish   | Au (gold)             |
| Material - Shield           | GD-Zn (zinc die-cast) |
| Material - Stuffer cap      | PA 6.6 UL94 V0        |
| Material - Finish           | Ni (nickel)           |



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### Materials and material properties

|                          |                |
|--------------------------|----------------|
| 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 |
|----|-----------|

### 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                 |
| 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                                         |



### Technical Data

#### 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)  | 800 g                             |
| Packaging unit - Weight (pound) | 1.76 lb                           |
| Packaging dimension             | 235 mm x 165 mm x 135 mm          |
| Packaging dimension             | 9.252 in. x 6.496 in. x 5.315 in. |



### Accessories

| P/N           | Designation                                                                                    |
|---------------|------------------------------------------------------------------------------------------------|
| 130829-4301-I | Surface mount frame 85 x 85 x 43 mm - single, pearl white                                      |
| 130829-4302-I | Surface mount frame 85 x 85 x 43 mm - single, pure white                                       |
| 1308895010-I  | T-Slot Mounting Bracket for Wall Outlets - Horizontal Mounting 50 mm, without separation cup   |
| 1308895011-I  | T-Slot Mounting Bracket for Wall Outlets - Horizontal Mounting 50 mm, with separation cup      |
| 1308895020-I  | DIN Rail Mounting Bracket for Wall Outlets - Horizontal Mounting 50 mm, without separation cup |
| 1308895021-I  | DIN Rail Mounting Bracket for Wall Outlets - Horizontal Mounting 50 mm, with separation cup    |
| 1308895040-I  | T-Slot mounting bracket for wall outlets - Vertical Mounting 50 mm, without separation cup     |
| 1308895041-I  | T-Slot mounting bracket for wall outlets - Vertical Mounting 50 mm, with separation cup        |
| 1308895220-I  | DIN Rail Mounting Bracket for Wall Outlets - Horizontal Mounting 52 mm, without separation cup |
| 1308895221-I  | DIN Rail Mounting Bracket for Wall Outlets - Horizontal Mounting 52 mm, with separation cup    |
| 1308895510-I  | T-Slot Mounting Bracket for Wall Outlets - Horizontal Mounting 55 mm, without separation cup   |
| 1308895511-I  | T-Slot Mounting Bracket for Wall Outlets - Horizontal Mounting 55 mm, with separation cup      |
| 1308895520-I  | DIN Rail Mounting Bracket for Wall Outlets - Horizontal Mounting 55 mm, without separation cup |
| 1308895521-I  | DIN Rail Mounting Bracket for Wall Outlets - Horizontal Mounting 55 mm, with separation cup    |
| 1308895540-I  | T-Slot mounting bracket for wall outlets - Vertical Mounting 55 mm, without separation cup     |
| 1308895541-I  | T-Slot mounting bracket for wall outlets - Vertical Mounting 55 mm, with separation cup        |
| 130889ADTK-I  | Mounting bracket ADTK for OBO                                                                  |
| 130889ADTSA-I | Mounting bracket ADTSA for OBO                                                                 |
| 130889FKH-I   | Mounting bracket FR for Kleinhuis                                                              |
| 130889FNI-I   | Mounting bracket FR for Niedax                                                                 |
| 130889FTE-I   | Mounting bracket FR for Tehalit                                                                |
| 820395-0101-I | Cover plate for E-DAT modul and E-DAT design (matt) wall outlets, pearl white                  |
| 820395-0102-I | Cover plate for E-DAT modul and E-DAT design (matt) wall outlets, pure white                   |



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