

## Data sheet

### C6<sub>A</sub>modul 24 port 180°M 1RU

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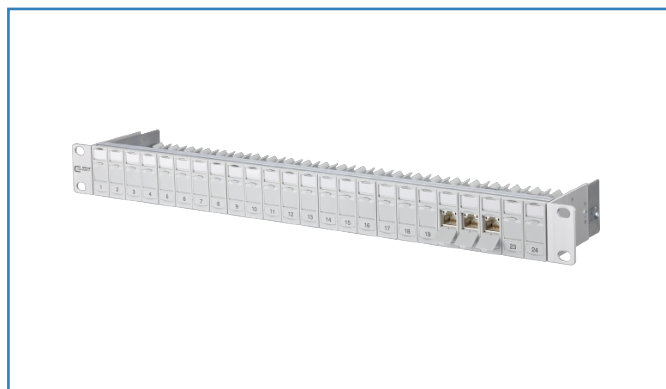
P/N

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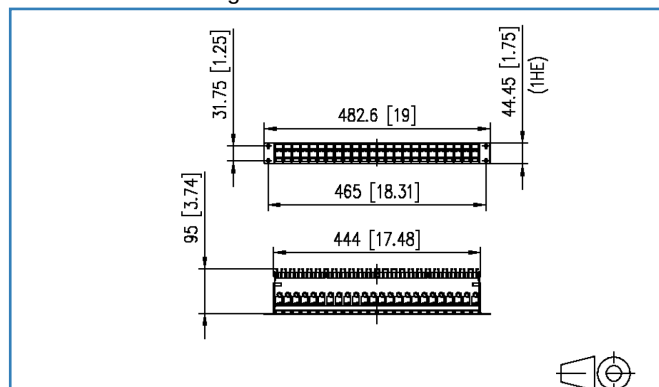
EAN 4250184131601

2018-02-02

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document



## Product specification

- 19 inch 1RU module frame with 24 individual modules C6<sub>A</sub>modul 180°
- 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<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 600 MHz, link up to 800 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) 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 frame front made of silver or black anodized aluminum
- plastic module support with dust protection covers (other colors available as accessory); detachable to the front
- integrated cable support with optional strain relief
- label window for enclosed identification labels
- label sheet 210 x 297 mm see accessory
- grounding bolt M6 x 10 with nut and lock washer
- incl. 30 cm grounding cable
- all fully shielded modules connected by means of grounding rail



### Technical Data

#### General Data

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Fields of application   | Office                                                   |
| Design                  | patch panel                                              |
| Mounting style          | 1RU                                                      |
| Shielding               | shielded                                                 |
| Transmission technology | Copper                                                   |
| Wiring                  | T568A, T568B                                             |
| Color                   | light gray                                               |
| Dimensions              |                                                          |
| Dimension (L x W x H)   | 95.00 x 482.60 x 44.45 mm                                |
| Dimension (L x W x H)   | 3.74 x 19.00 x 1.75 in.                                  |
| Inches                  | 19 inches                                                |
| Height unit             | 1RU                                                      |
| Modularity              | yes                                                      |
| Labeling option         | label window with identification label + printed numbers |
| 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 (Gigabit-Ethernet) | IEEE 802.3an   |

#### Connections/interfaces

|                                                  |                |
|--------------------------------------------------|----------------|
| Connector technology interface 1                 | IDC-connection |
| Connector technology interface 2                 | RJ45-jack      |
| Number of ports interface 2                      | 24             |
| Number of ports interface 2 equipped             | 24             |
| Number of ports with dust protection interface 2 | 24             |
| Number of positions/contacts interface 1         | 24 x 8         |



### Technical Data

#### Connections/interfaces

|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| Number of positions/contacts interface 2        | 24 x 8P/8C                                    |
| Termination data, solid wire (min. - max.)      |                                               |
| Conductor cross section, solid wire             | AWG 26/1 - 22/1                               |
| Conductor cross section, solid wire             | 0.128 - 0.324 mm <sup>2</sup>                 |
| Conductor diameter, solid wire (bare copper)    | 0.409 - 0.643 mm                              |
| Conductor diameter, solid wire (bare copper)    | 0.016 - 0.025 in.                             |
| Termination data, stranded wire (min. - max.)   |                                               |
| Conductor cross section, stranded wire          | AWG 26/7 - 22/7                               |
| Conductor cross section, stranded wire          | 0.141 - 0.355 mm <sup>2</sup>                 |
| Conductor diameter, stranded wire (bare copper) | 0.483 - 0.762 mm                              |
| Conductor diameter, stranded wire (bare copper) | 0.019 - 0.030 in.                             |
| Cable access/outlet                             | 180°                                          |
| Grounding wire length                           | 0.30 m                                        |
| Grounding wire length                           | 0.98 ft                                       |
| Ground connection                               | grounding bolt M6x10 with nut and lock washer |

#### 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

|                                                             |               |
|-------------------------------------------------------------|---------------|
| Cut-out                                                     | Modul         |
| Position/mounting of latch - standard installation position | top           |
| strain relief                                               | latching clip |



### Technical Data

#### Materials and material properties

|                                |                       |
|--------------------------------|-----------------------|
| Material - Jack housing        | GD-Zn (zinc die-cast) |
| Material - Jack contact        | FeNiCo                |
| Material - Jack contact finish | Au (gold)             |
| Material - Jack shield         | GD-Zn (zinc die-cast) |
| Material - Stuffer cap         | PA 6.6 UL94 V0        |
| Material - Strain relief       | PA 6.6 UL94 V0        |
| Material - Front cover         | Al (Aluminium)        |
| Material - Front cover finish  | silver anodized       |
| Material - Module support      | ABS                   |
| Material - Cable guide         | ABS                   |
| Material - Dust protection     | ABS                   |
| Material - Label window        | ABS, transparent      |
| Material - Finish              | Ni (nickel)           |

#### 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> |

#### Certifications

GHMT PVP



#### Approvals

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



### Technical Data

#### 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<br>TIA/EIA 568-C.2 (2009-08) |
|----------------------|------------------------------------------------------------------------------------|

##### 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 (plugging and removing connectors under electrical load) | DIN-EN 60512-99-001: 02-2013, DIN-EN 60512-99-002: 11-2015 |
|---------------------------------------------------------------------------------------|------------------------------------------------------------|

|                 |                        |
|-----------------|------------------------|
| Endurance tests | IEC 60512-9-3: 03-2009 |
|-----------------|------------------------|

##### Interference proof

|                                      |                          |
|--------------------------------------|--------------------------|
| Immunity for industrial environments | DIN EN 61000-6-2:2006-03 |
|--------------------------------------|--------------------------|

##### Climate tests

IEC 60512-11

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001128 |
|----------|----------|

|          |          |
|----------|----------|
| ETIM 6.0 | EC001128 |
|----------|----------|

#### Packing details

|                                 |                            |
|---------------------------------|----------------------------|
| Type of packaging               | 1 pc(s) / box              |
| Packaging unit - Weight (gram)  | 1370.00 g                  |
| Packaging unit - Weight (pound) | 3.02 lb                    |
| Packaging dimension (W x H x D) | 520.00 x 180.00 x 46.00 mm |
| Packaging dimension (W x H x D) | 20.472 x 7.087 x 1.811 in. |



### Accessories

| P/N           | Designation                                                       |
|---------------|-------------------------------------------------------------------|
| 816979-0105-I | Dust protection covers for Modul patch panels subway / REG yellow |
| 816979-0106-I | Dust protection covers for Modul patch panels subway / REG blue   |
| 816979-0107-I | Dust protection covers for Modul patch panels subway / REG green  |
| 816979-0108-I | Dust protection covers for Modul patch panels subway / REG red    |
| 899011-01     | Label sheet for Modul patch panels / REG                          |



### Illustrations

Dimensional drawing

