

# Data sheet

## C6<sub>A</sub>modul 3 port 270°M AP pure white

P/N

130B12D30002-E

EAN 4250184136743

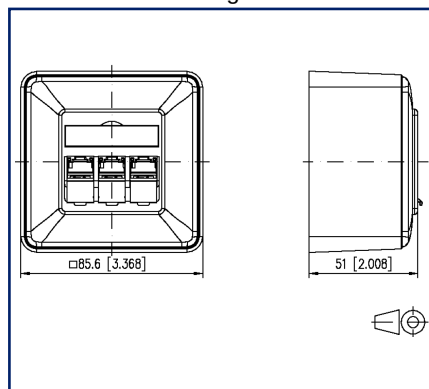
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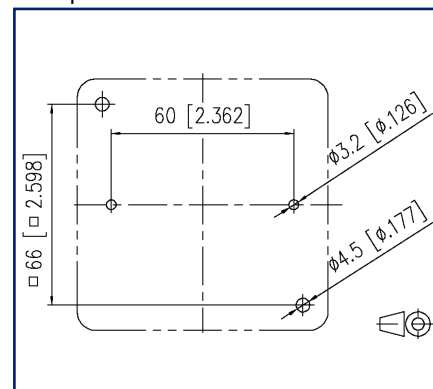
### Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

### Product specification

Modular wall outlet for the construction of a passive network infrastructure with the highest quality requirements. The junction box is suitable for connecting telephones up to 10 Gbit networks and power supply with PoE with up to 90W. The very robust, nickel-plated zinc die-cast module, which consists of only two parts, can be connected by the installer very easily and in a very short time without any special tools. In addition to the permanent quality control during production, independent test laboratories confirm the very good quality of the individual modules with various certificates. The wall outlets are supplied in retail-friendly, separable cardboard packaging with 10 pieces each.

- variants, mounting type: AP, UP, UPk, UP0
- variants, number of ports: 1, 2, 3



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**Technical Data**
**General Data**

|                                                         |                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------|
| Fields of application                                   | structured building cabling<br>office areas<br>Distributed building services |
| Mechanical measurement according to MICE                | M1                                                                           |
| Ingress measurement according to MICE                   | I1                                                                           |
| Climatic measurement according to MICE                  | C1                                                                           |
| Electromagnetic measurement according to MICE           | E2                                                                           |
| Design                                                  | wall outlet                                                                  |
| Mounting style                                          | AP                                                                           |
| Mounting in standard flush-mounted and cavity wall cups | on mug                                                                       |
| Shielding                                               | shielded                                                                     |
| Transmission technology                                 | Copper                                                                       |
| Wiring                                                  | T568A, T568B                                                                 |
| Color                                                   | pure white - RAL 9010                                                        |
| 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            |
| 4PPoE           | IEEE 802.3bt   |
| HDBaseT         | yes            |
| SAT-IP          | yes            |
| AVoverIP        | yes            |



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## Technical Data

### Transmission characteristics

|                                                  |              |
|--------------------------------------------------|--------------|
| Transmission rate up to 100 MBit (Fast Ethernet) | IEEE 802.3bw |
| Transmission rate up to 1 GBit (Fast Ethernet)   | IEEE 902.3ab |
| 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                      | 3                                             |
| Number of positions/contacts interface 1         | 3 x 8                                         |
| Number of positions/contacts interface 2         | 3 x 8P/8C                                     |
| Number of ports with dust protection interface 2 | 3                                             |
| 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.                          |
| Cable sheath diameter (min. - max.)              |                                               |
| Cable sheath diameter                            | 5.5 mm - 10                                   |
| Cable sheath diameter                            | 0.197 in. - 0.394                             |
| Module plug-in direction                         | 45° downwards                                 |
| Cable access/outlet                              | rear, top, bottom, left or right              |
| Ground connection                                | Via M4 thread (screw not included!)           |



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## Technical Data

### Electrical/ optical properties

|                                                                 |                   |
|-----------------------------------------------------------------|-------------------|
| Current carrying capacity                                       | max. 1 A at 60 °C |
| Rated voltage                                                   | max. 60 V DC      |
| Rated voltage UL                                                | max. 56.5 V DC    |
| Contact resistance                                              | max. 20 mOhm      |
| Through resistance                                              | max. 200 mOhm     |
| Insulation resistance                                           | min. 500 MOhm     |
| Dielectric strength conductor-conductor (secondary)             | max. 1000 V DC    |
| Dielectric strength conductor-conductor, peak value (secondary) | max. 1.000 V AC   |
| Dielectric strength conductor-shield                            | max. 1500 V DC    |
| Dielectric strength conductor-shield, peak value                | max. 1500 V AC    |

### Mechanical data

|                                                              |               |
|--------------------------------------------------------------|---------------|
| Cut-out                                                      | MC module     |
| Insertion and withdrawal force                               | max. 30 N     |
| Life - Number of mating cycles                               | min. 1000     |
| Position/mounting of latch<br>standard installation position | top           |
| strain relief                                                | latching clip |

### Materials and material properties

|                                |                       |
|--------------------------------|-----------------------|
| Material - Housing             | Plastics              |
| Material - Surface mount frame | ABS, impact resistant |
| Material - Cover part(s)       | ABS                   |
| Material - Supporting frame    | GD-Zn                 |
| Material - Module support      | GD-Zn                 |
| Material - Label window        | ABS, transparent      |
| Material - Dust protection     | ABS                   |
| Material - Contact             | Spring steel          |
| Material - Contact finish      | AuCo                  |
| Material - Shield              | CuSn6                 |
| Material - Shield finish       | tinned                |
| Material - Stuffer cap         | PA 6.6 UL94 V0        |
| Material - Strain relief       | PA 6.6 UL94 V0        |
| RoHS                           | compliant             |



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### 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

IP class IP20

### Certifications

GHMT PVP



yes

### Standards/Regulations

Generic cabling systems

General requirements ISO/IEC 11801-1:2017-11 | DIN EN 50173-1:2018-10  
ANSI/TIA-568.2-D

Office buildings ISO/IEC 11801-2:2017-11 | DIN EN 50173-2:2018-10  
ANSI/TIA-568.2-D

Living units ISO/IEC 11801-4:2017-11 | DIN EN 50173-4:2018-10  
ANSI/TIA-570-D

Distributed building services ISO/IEC 11801-6:2017-11 | DIN EN 50173-6:2018-10  
ANSI/TIA-862-B

Connectors for electronic equipment

Free and fixed connectors DIN EN 60603-7-51:2011-01, DIN EN 60603-7:2019-11, DIN EN  
60603-7-1:2012-01

Connectors for electronic equipment - Tests and measurements

Test standard for connectors (engaging and separating connectors under electrical load) DIN-EN 60512-99-001, DIN-EN 60512-99-002

Endurance tests DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01

Degrees of Protection Provided by Enclosures IEC 60529

Climate tests DIN EN 60603-7:2019-11, DIN EN 60603-7-1:2012-01



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**Technical Data****Classifications**

|           |          |
|-----------|----------|
| ETIM 7.0  | EC001264 |
| ETIM 8.0  | EC001264 |
| ETIM 9.0  | EC001264 |
| ETIM 10.0 | EC001264 |

**Packing details**

|                   |                |
|-------------------|----------------|
| Type of packaging | 10 pc(s) / box |
|-------------------|----------------|

**Application note**

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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**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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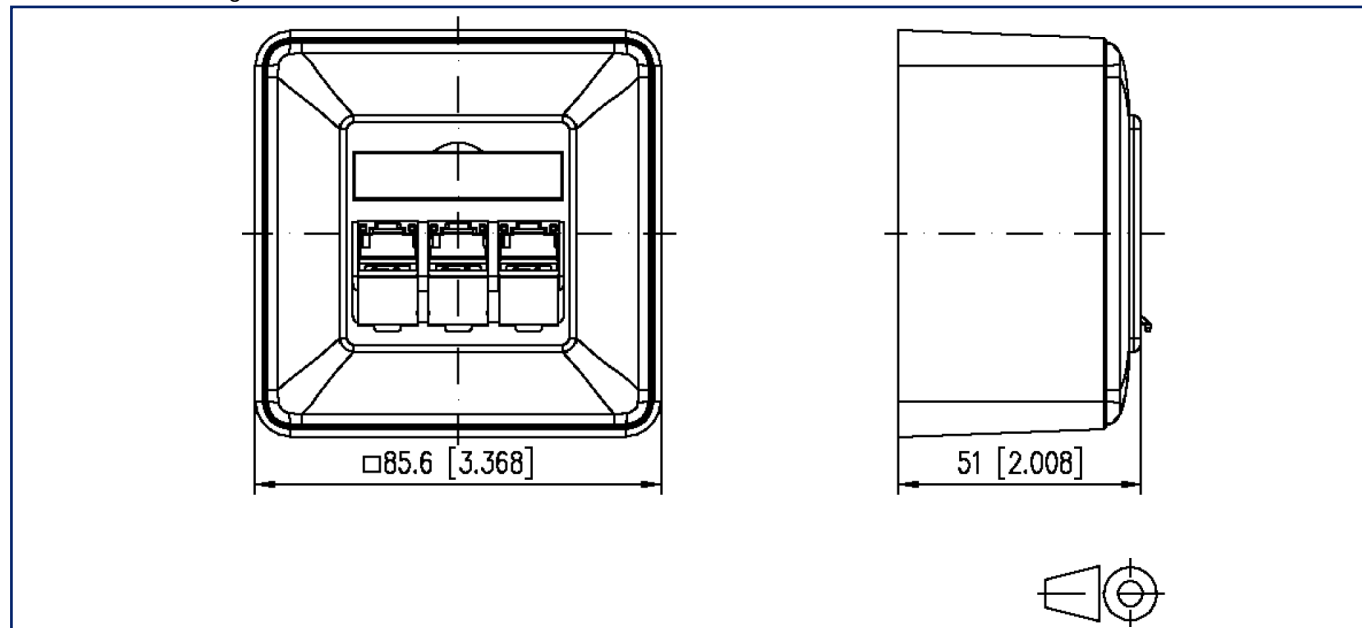
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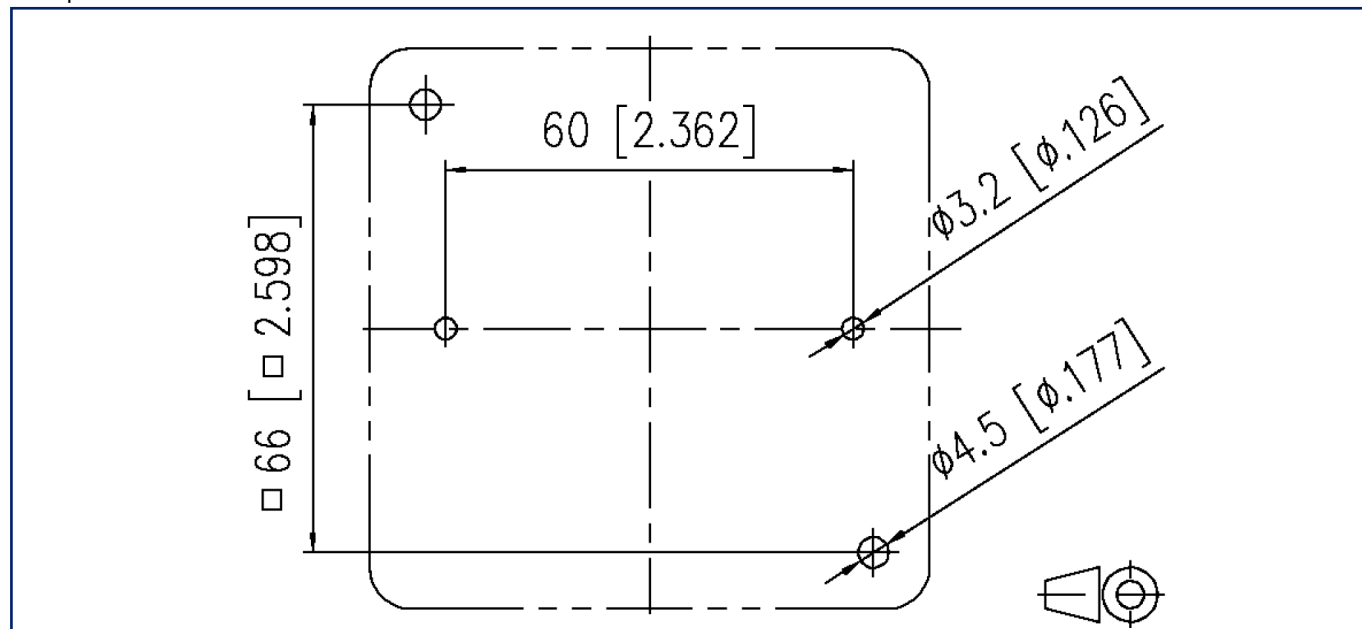
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## Illustrations

### Dimensional drawing



### Drill pattern



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### Illustrations

#### Wiring diagram

