

Data sheet

C6_Amodul 6 port 180°M 3RU 7HP

Page 1/10

P/N
130B11E2-E

EAN 4250184131779

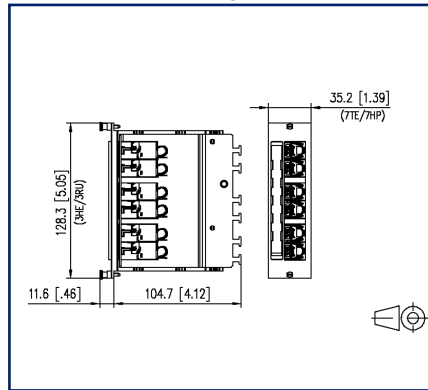
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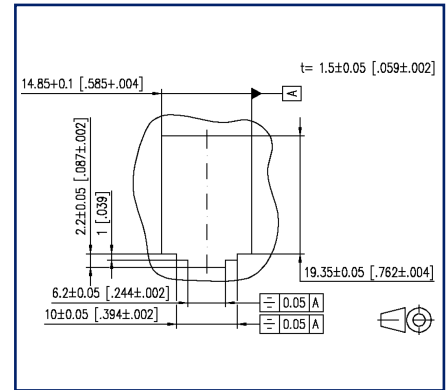
Illustrations



Dimensional drawing



Cut-out



See enlarged drawings at the end of document

Product specification

- module frame with 6 individual C6_Amodul 180°
- certified to GHMT Cat.6_A re-embedded PVP
- Cat.6_A component test according to ISO/IEC 11801, DIN EN 50173-1, ANSI/TIA-568.2-D and IEC 60603-7-51, GHMT certified
- compliance with class E_A up to 500 MHz according to ISO/IEC 11801, DIN EN 50173-1
- 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
- strain relief directly snapped on to stuffer cap of C6_Amodul
- 3RU module frame front made of silver anodized aluminum for mounting in 3RU assembly frame
- with label window for enclosed identification labels
- optional strain relief using cable ties
- grounding bolt M6 x 10 with nut and lock washer



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Technical Data

General Data

| | |
|---|---|
| Fields of application | structured building cabling office areas Distributed building services data center |
| 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 | patch panel |
| Mounting style | 3RU/7HP |
| Shielding | shielded |
| Transmission technology | Copper |
| Wiring | T568A, T568B |
| Color | anodized alu. |
| Dimensions | |
| Dimension (L x W x H) | 104.7 mm x 128.3 mm x 35.2 mm |
| Dimension (L x W x H) | 4.122 in. x 5.051 in. x 1.386 in. |
| Height unit | 3RU |
| Horizontal pitch | 7HP |
| Modularity | yes |
| Labeling option | label window with identification label |

Transmission characteristics

| | |
|--|----------------|
| Category (ISO) | 6 _A |
| Class (ISO/IEC) | E _A |
| 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 100 MBit (Fast Ethernet) | IEEE 802.3bw |
| Transmission rate up to 1 GBit (Fast Ethernet) | IEEE 902.3ab |

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Technical Data

Transmission characteristics

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 | 6 |
| Number of ports interface 2 equipped | 6 |
| Number of positions/contacts interface 1 | 6 x 8 |
| Number of positions/contacts interface 2 | 6 x 8P/8C |
| 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 ² - 0.324 mm ² |
| 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 ² - 0.355 mm ² |
| 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 |
| Cable access/outlet | 180° |
| Ground connection | grounding bolt M6x10 with nut and lock washer |
| Shield connection | flexible contact spring |

Electrical characteristics

| | |
|---|-------------------|
| Current carrying capacity | max. 1 A at 60 °C |
| Rated voltage | max. 60 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 |

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Electrical characteristics

| | |
|---|-----------------|
| 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 standard installation position | left |
| strain relief | latching clip |

Materials and material properties

| | |
|--------------------------------|-----------------|
| Material - Jack housing | GD-Zn |
| Material - Jack contact | Spring steel |
| Material - Jack contact finish | AuCo |
| Material - Jack shield | CuSn6 |
| Material - Stuffer cap | PA 6.6 UL94 V0 |
| Material - Strain relief | stainless steel |
| Material - Front cover | Al (Aluminium) |
| Material - Front cover finish | silver anodized |
| Material - Module support | stainless steel |
| 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 |

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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

Data centers

ISO/IEC 11801-5:2017-11 | DIN EN 50173-5:2018-10
ANSI/TIA-942-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

Climate tests

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

Classifications

ETIM 7.0

EC001128

ETIM 8.0

EC001128

ETIM 9.0

EC001128

ETIM 10.0

EC001128

Packing details

Type of packaging

1 pc(s) / box



Data sheet

Page 6/10

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Technical Data**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.).



Data sheet

Page 7/10

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Accessories

| P/N | Designation |
|-----------|--|
| 899789-01 | Label sheet for E-DAT C6 and E-DAT design patch panels |



Data sheet

Page 8/10

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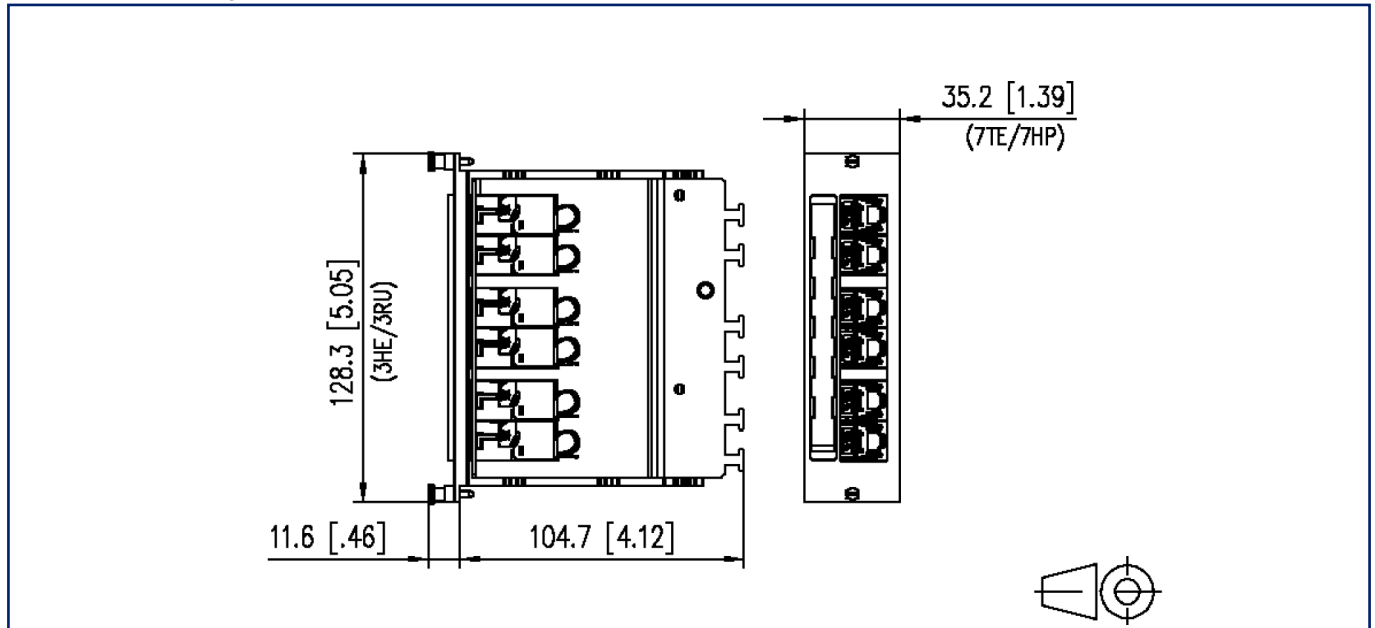
Accessories from

| P/N | Designation |
|-------------|--------------------------|
| 130808-01-E | Module frame 3RU 10-inch |

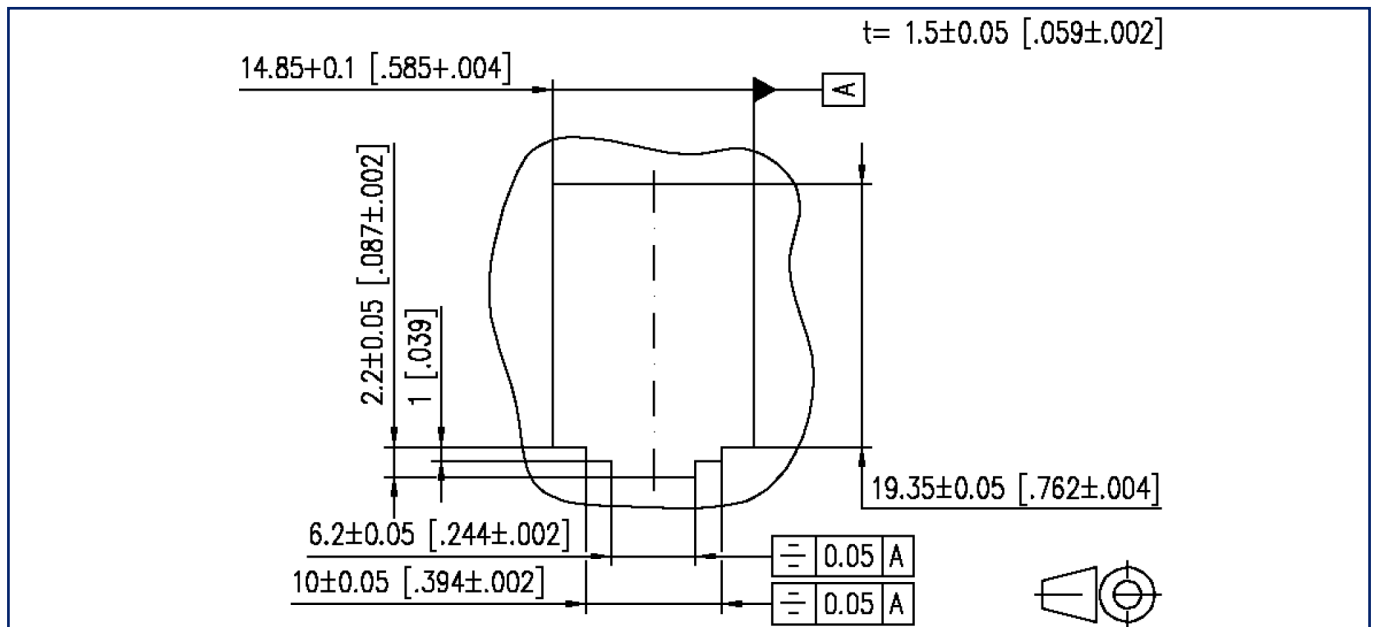


Illustrations

Dimensional drawing



Cut-out



Illustrations

Wiring diagram

