

# Data sheet

## 25Gmodul (12 pcs)

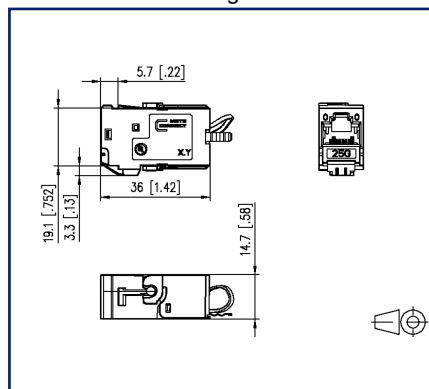
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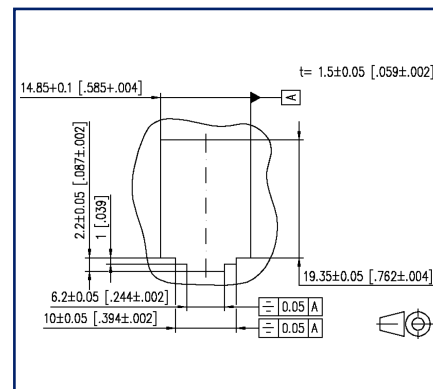
### Illustrations



Dimensional drawing



Cut-out



See enlarged drawings at the end of document

### Product specification

- certified by GHMT according to DTR-11801-9905 for 25GBASE-T in the Channel-Link with 30 m (50 m in preparation)
- completely downward compatible due to compliance with class E<sub>A</sub> according to ISO/IEC 11801 and DIN EN 50173-1 (in permanent link up to 90 m, in channel link up to 100 m)
- RJ45 according to IEC 60603-7-1, 2 mounting types: Module and Keystone
- mounting without special tools, low mounting and connection time
- migrating 10G-systems without special tools
- connection of patch- and installations cords is possible for: AWG 26/7 - 22/7 and AWG 26/1 - 22/1
- suitable for 25Gbit/s Ethernet (IEEE 802.3bq) and 10 Gbit/s Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE), HDBaseT, SAT-IP and AVoverIP
- solid, reusable module housing refined with zinc die-casting
- intelligent cable management in stuffer caps - also suitable for heavily twisted cables - also easy installation in various applications
- strain relief by a red latching clip directly on the stuffer cap
- 360°-shield connection
- dust protection cover (optional)
- delivery in a 12-piece set, not available separately

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### Technical Data

#### General Data

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| Fields of application                         | office areas                      |
| 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                                        | Jack                              |
| Shielding                                     | shielded                          |
| Transmission technology                       | Copper                            |
| Wiring                                        | T568A, T568B                      |
| Color                                         | metallike                         |
| Dimensions                                    |                                   |
| Dimension (L x W x H)                         | 36 mm x 14.7 mm x 22.4 mm         |
| Dimension (L x W x H)                         | 1.417 in. x 0.579 in. x 0.882 in. |
| Modularity                                    | yes                               |
| Field assembly ability                        | yes                               |
| Marking option                                | by latching clip                  |

#### Transmission characteristics

|                                                 |                |
|-------------------------------------------------|----------------|
| Class (ISO/IEC)                                 | E <sub>A</sub> |
| Remote Powering                                 | yes            |
| PoE                                             | IEEE 802.3af   |
| PoE plus                                        | IEEE 802.3at   |
| UPoE                                            | yes            |
| 4PPoE                                           | IEEE 802.3bt   |
| HDBaseT                                         | yes            |
| Transmission rate up to 10 GBit                 | IEEE 802.3an   |
| Transmission rate up to 25 GBit (Fast Ethernet) | IEEE 802.3bq   |



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### Technical Data

| 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                                         |
| 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.                          |
| Aderdurchmesser (min.-max.)                     |                                               |
| Core diameter (conductor with insulation)       | 1 mm - 1.6 mm                                 |
| Core diameter (conductor with insulation)       | 0.039 in. - 0.063 in.                         |
| Cable sheath diameter (min. - max.)             |                                               |
| Cable sheath diameter                           | 5.5 mm - 10.00                                |
| Cable sheath diameter                           | 0.197 in. - 0.394                             |
| Cable access/outlet                             | 180°                                          |

| Electrical characteristics                          |                   |
|-----------------------------------------------------|-------------------|
| 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    |

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### Technical Data

#### Mechanical data

|                                                              |                  |
|--------------------------------------------------------------|------------------|
| Cut-out                                                      | MC module        |
| Mounting method                                              | snap-in function |
| 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        | GD-Zn          |
| Material - Contact        | Spring steel   |
| Material - Contact finish | Au (gold)      |
| Material - Shield         | GD-Zn          |
| Material - Stuffer cap    | PA 6.6 UL94 V0 |
| Material - Strain relief  | PA 6.6 UL94 V0 |
| Halogen free              | yes            |
| Material - Finish         | Ni (nickel)    |
| RoHS                      | compliant      |

#### Environmental conditions

|                             |                                                    |
|-----------------------------|----------------------------------------------------|
| Rapid change of temperature | -40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min |
|-----------------------------|----------------------------------------------------|

#### Certifications

GHMT Type Approval



2 Connector Permanent Link,  
Class EA | 2 Connector  
Channel Link, 30 m Class 1  
up to 1,25 GHz



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### Technical Data

#### Approvals

UL listed (file no.)



DUXR.E178484

#### Standards/Regulations

Generic cabling systems

General requirements

ANSI/TIA-568-C

Office buildings

ISO/IEC 11801 Ed.2.2: 2011-06 | DIN EN 50173-2  
ANSI/TIA-568-C

Living units

ISO/IEC 15018 | DIN EN 50173-4  
ANSI/TIA-570-B

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

IEC 60512-9-3: 03-2009

Interference proof

Immunity for industrial environments

DIN EN 61000-6-2:2006-03

Emission proof

Electromagnetic emission for residential, commercial and light-industrial environments

DIN EN 61000-6-3:2011-09

Climate tests

IEC 60512-11

#### Classifications

ETIM 7.0

EC001121

ETIM 8.0

EC001121

ETIM 9.0

EC001121

ETIM 10.0

EC001121

#### Packing details

Type of packaging

10 pc(s) / box



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### 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.



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## **Accessories from**

| <b>P/N</b>     | <b>Designation</b>                                                                    |
|----------------|---------------------------------------------------------------------------------------|
| 130861-0202-E  | Modul surface mount housing 2 port pure white, unequipped                             |
| 130861-0302-E  | Modul surface mount housing 3 port pure white, unequipped                             |
| 130861-0402-E  | Modul surface mount housing 4 port pure white, unequipped                             |
| 130861-0602-E  | Modul surface mount housing 6 port pure white, unequipped                             |
| 130861-0802-E  | Modul surface mount housing 8 port pure white, unequipped                             |
| 130861-1202-E  | Modul surface mount housing 12 port pure white, unequipped                            |
| 130861-1602-E  | Modul surface mount housing 16 port pure white, unequipped                            |
| 130861-2402-E  | Modul surface mount housing 2x12 port pure white, unequipped                          |
| 130898018003-E | REGplus IRT-FF COAX F/F                                                               |
| 1309107003-E   | REGplus IP20 E-DAT modul                                                              |
| 1309108003-E   | REGplus IP20 FF E-DAT modul K                                                         |
| 1309141002-E   | Modul wall outlet flush mounted 1 port unequipped pure white                          |
| 1309141027-E   | Modul wall outlet flush mounted 1 port unequipped traffic white                       |
| 1309141102-E   | Modul wall outlet flush mounted trunking installation 1 port unequipped pure white    |
| 1309141127-E   | Modul wall outlet flush mounted trunking installation 1 port unequipped traffic white |
| 1309141200-E   | Modul wall outlet flush mounted without cover 3 port unequipped                       |
| 1309151002-E   | Modul wall outlet flush mounted 2 port unequipped pure white                          |
| 1309151027-E   | Modul wall outlet flush mounted 2 port unequipped traffic white                       |
| 1309151102-E   | Modul wall outlet flush mounted trunking installation 2 port unequipped pure white    |
| 1309151127-E   | Modul wall outlet flush mounted trunking installation 2 port unequipped traffic white |
| 1309151200-E   | Modul wall outlet flush mounted without cover 2 port unequipped                       |
| 1309161002-E   | Modul wall outlet flush mounted 3 port unequipped pure white                          |
| 1309161027-E   | Modul wall outlet flush mounted 3 port unequipped traffic white                       |
| 1309161102-E   | Modul wall outlet flush mounted trunking installation 3 port unequipped pure white    |
| 1309161127-E   | Modul wall outlet flush mounted trunking installation 3 port unequipped traffic white |

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#### Accessories from

|                |                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------|
| 130920-00-E    | Modul 19 inches module frame 1RU 24 Port light gray unequipped, shielded                                    |
| 130920-BK-E    | Modul 19 inches module frame 1RU 24 port black unequipped, shielded                                         |
| 130920-E       | E-DAT modul 24x8(8) 1RU patch panel Cat.6 <sub>A</sub> , light gray                                         |
| 130921-00-E    | Modul 19 inches module frame 1RU 24 port stainless steel unequipped                                         |
| 130921-E       | E-DAT modul 24x8(8) 1RU patch panel Cat.6 <sub>A</sub> , stainless steel                                    |
| 130922-00-E    | 6 port module frame 1RU                                                                                     |
| 130922-02-E    | E-DAT modul 6x8(8) 3RU patch panel Cat.6 <sub>A</sub>                                                       |
| 130922-03-E    | E-DAT modul 6x8(8) for 1RU patch panel Cat.6 <sub>A</sub>                                                   |
| 130924-00-E    | Modul 19 inches module frame 1.5RU 48 port stainless steel unequipped                                       |
| 130924-E       | E-DAT modul 48x8(8) 1.5RU patch panel Cat.6 <sub>A</sub> , stainless steel                                  |
| 130927-1200-E  | SmartConnect Patchpanel 12 ports MC module                                                                  |
| 130927-1600-E  | SmartConnect Patchpanel 16 ports MC module                                                                  |
| 130927-2400-E  | SmartConnect Patchpanel 24 ports MC module                                                                  |
| 1309427103-E   | Modul REGplus IP20 light gray unequipped                                                                    |
| 1309460003-I   | Modul IP44SG surface mounted housing unequipped                                                             |
| 1309461002-I   | E-DAT modul IP44SG flush mounted housing pure white unequipped                                              |
| 1309461003-I   | E-DAT modul IP44SG flush mounted housing gray unequipped                                                    |
| 1309470002-I   | IP44 surface-mounted module housing with hinged cover and lock, pure white, 2 port unequipped for MC module |
| 1309470003-I   | IP44 surface-mounted module housing with hinged cover and lock, gray, 2 port unequipped for MC module       |
| 1309471002-I   | Flush-mounted module housing with hinged cover and lock, pure white, 2 port unequipped for MC module        |
| 1309471003-I   | Flush-mounted module housing with hinged cover and lock, gray, 2 port unequipped for MC module              |
| 1309A07003-E   | REGplus IP20 E-DAT modul coupler 180°                                                                       |
| 1309A17003-E   | REGplus IP20 E-DAT modul coupler 90°                                                                        |
| 130A088003-E   | REGplus IP20 FF UTPmodul Cat.5e                                                                             |
| 130A108003-E   | REGplus IP20 FF UTPmodul Cat.6                                                                              |
| 130A118003-E   | REGplus IP20 FF UTPmodul Cat.6 <sub>A</sub>                                                                 |
| 130B10D10002-E | Modul wall outlet surface mounted 1 port unequipped pure white 43 mm                                        |
| 130B10D10027-E | Modul wall outlet surface mounted 1 port unequipped traffic white 43 mm                                     |

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|                |                                                                               |
|----------------|-------------------------------------------------------------------------------|
| 130B10D20002-E | Modul wall outlet surface mounted 2 port unequipped<br>pure white 43 mm       |
| 130B10D20027-E | Modul wall outlet surface mounted 2 port unequipped<br>traffic white 43 mm    |
| 130B10D30002-E | Modul wall outlet surface mounted 3 port unequipped<br>pure white 43 mm       |
| 130B10E2E-E    | Modul module frame 3RU, 7HP 6 port stainless steel unequipped                 |
| 130B117003-E   | REGplus IP20 C6 <sub>A</sub> modul 180°M                                      |
| 130B11P0-BK-E  | C6 <sub>A</sub> modul 24 port 180°M 1RU, black                                |
| 130B11P0-E     | C6 <sub>A</sub> modul 24 port 180°M 1RU, gray                                 |
| 130B11P1-E     | C6 <sub>A</sub> modul 24 port 180°M 1RU stainless steel                       |
| 130B11P4-E     | C6 <sub>A</sub> modul 48 port 180°M 1.5RU stainless steel                     |
| 130B127003-E   | REGplus IP20 C6 <sub>A</sub> modul 270°M                                      |
| 130B218003-E   | REGplus IP20 FF C6 <sub>A</sub> modul 180°K                                   |
| 130B228003-E   | REGplus IP20 FF C6 <sub>A</sub> modul 270°K                                   |
| 130D2CBU4-E    | DCCS2 subassembly 4 port unequipped                                           |
| 14040000-E     | MCO IP69k protective housing for outdoor use,<br>set for exposed installation |
| 14040010-E     | MCO IP69k Protective housing for outdoor use,<br>set with mounting bracket    |
| 14040100-E     | MCO IP69k Protective housing for outdoor use,<br>set wall/ housing bushing    |

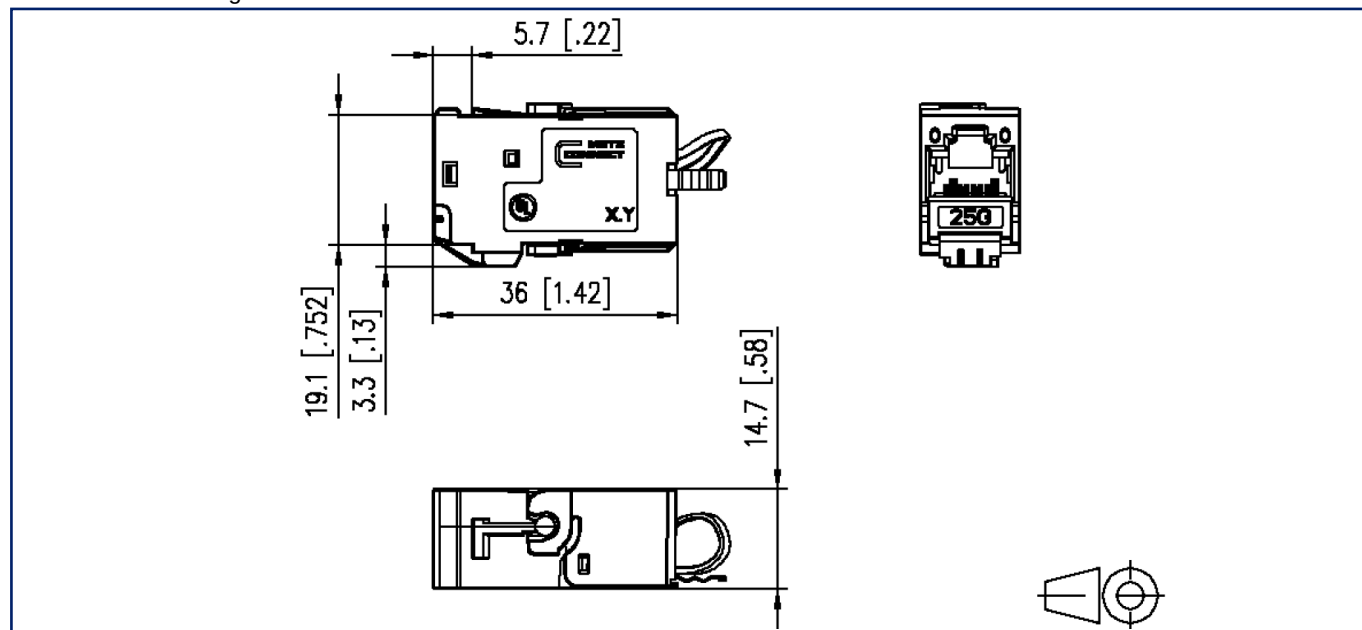
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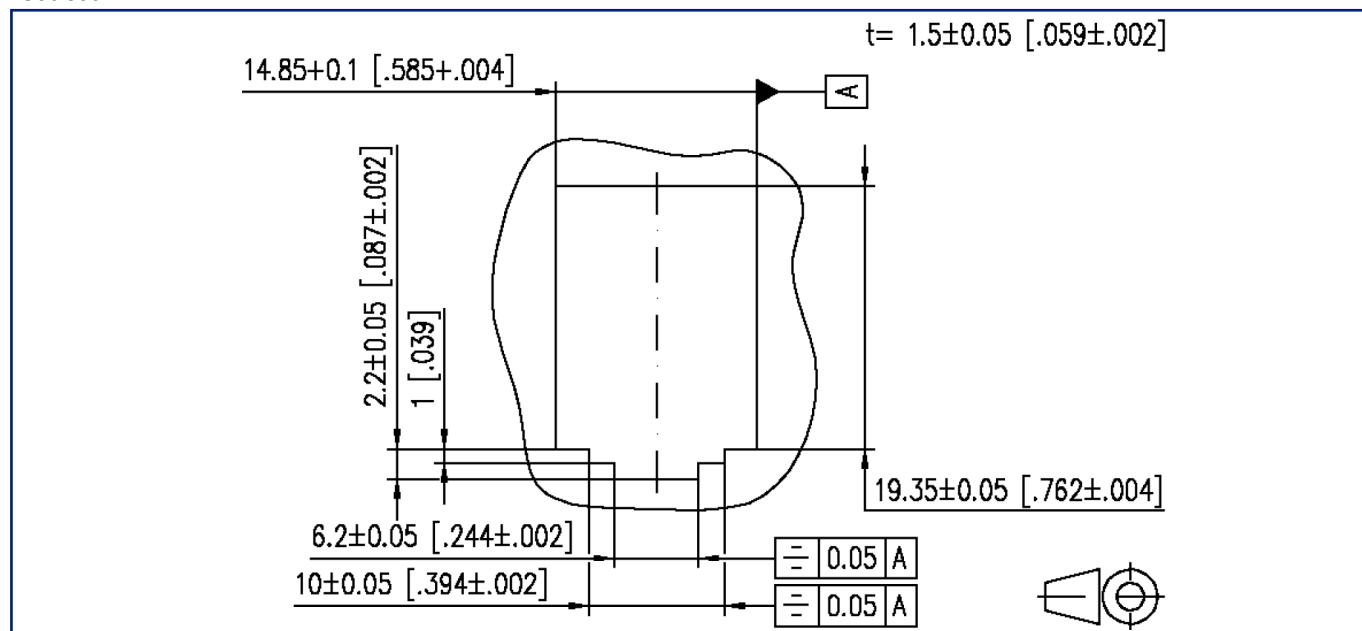
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## Illustrations

Dimensional drawing



Cut-out



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**Illustrations**

Wiring diagram

