Data sheet
25Gmodul

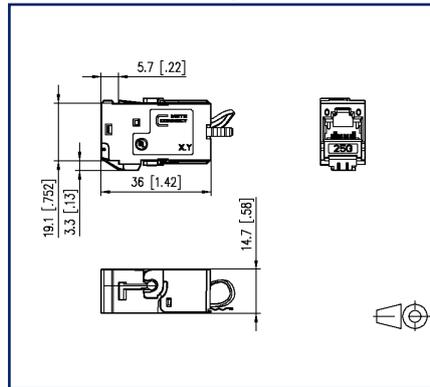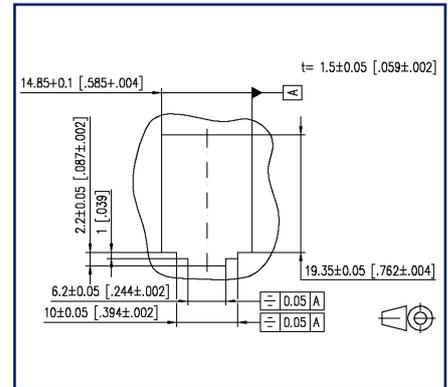METZ CONNECT — We realize ideas

Illustrations

Dimensional drawing

Cut-out

GHMT — c(UL)us LISTED

See enlarged drawings at the end of document

Product specification

- certified by GHMT according to ISO/IEC TR-11801-9905 for 25GBASE-T in the Channel-Link with 30 m

- in preparation: ISO/IEC TR-11801-9909 for 25GBASE-T in channel link over 30 m

- completely downward compatible by complying with class E_A according to ISO/IEC 11801-1 and DIN EN 50173-1 (within the permanent link up to 90m, within the permanent link up to 100m)

- RJ45 according to IEC 60603-7-1, 2 mounting versions: 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 latching clip directly on the stuffer cap

- 360°-shield connection

- dust protection cover (optional)

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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_A
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 mm² - 0.324 mm²
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 mm² - 0.355 mm²
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 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

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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Weitere Dokumentation siehe / additional documentation see /
documentation supplémentaire voir www.metz-connect.com

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Accessories from

P/N	Designation
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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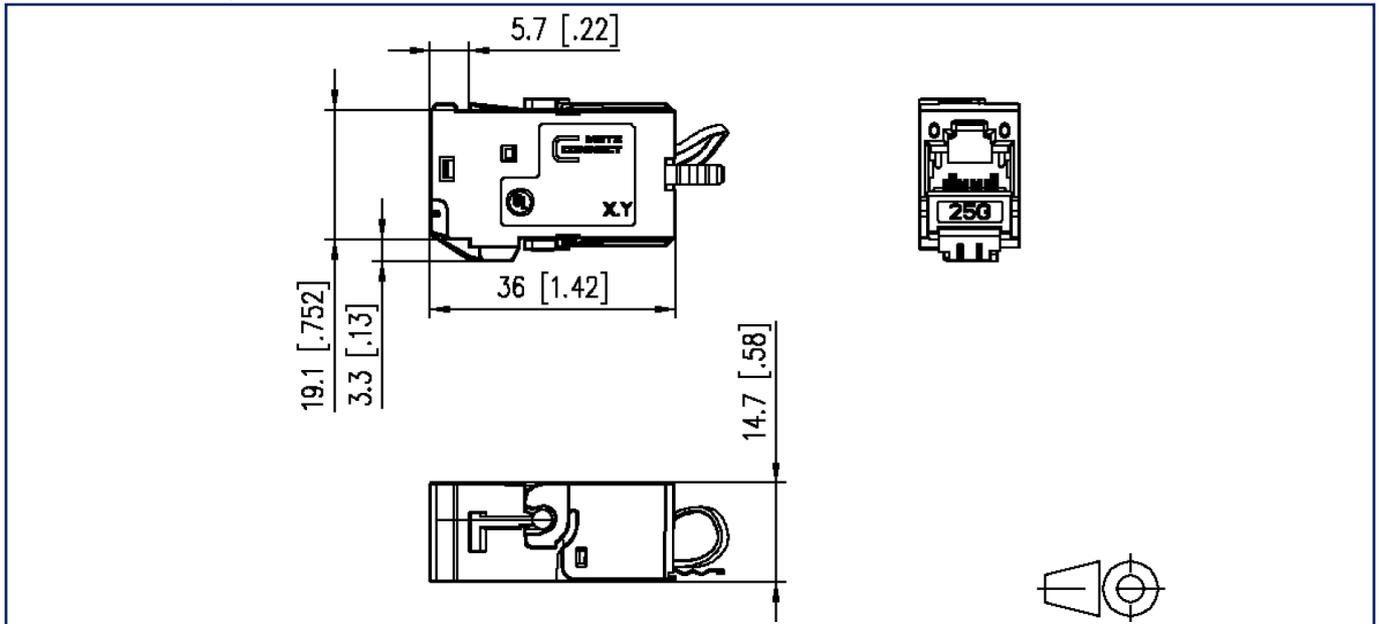|	
130920-00-E	Modul 19 inches module frame 1RU 24 Port light gray unequipped, shielded
130920-BK-E	Modul 19 inches module frame 1RU 24 port black unequipped, shielded
130920-E	E-DAT modul 24x8(8) 1RU patch panel Cat.6$_A$, light gray
130921-00-E	Modul 19 inches module frame 1RU 24 port stainless steel unequipped
130921-E	E-DAT modul 24x8(8) 1RU patch panel Cat.6$_A$, stainless steel
130922-00-E	6 port module frame 1RU
130922-02-E	E-DAT modul 6x8(8) 3RU patch panel Cat.6$_A$
130922-03-E	E-DAT modul 6x8(8) for 1RU patch panel Cat.6$_A$
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$_A$, 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$_A$
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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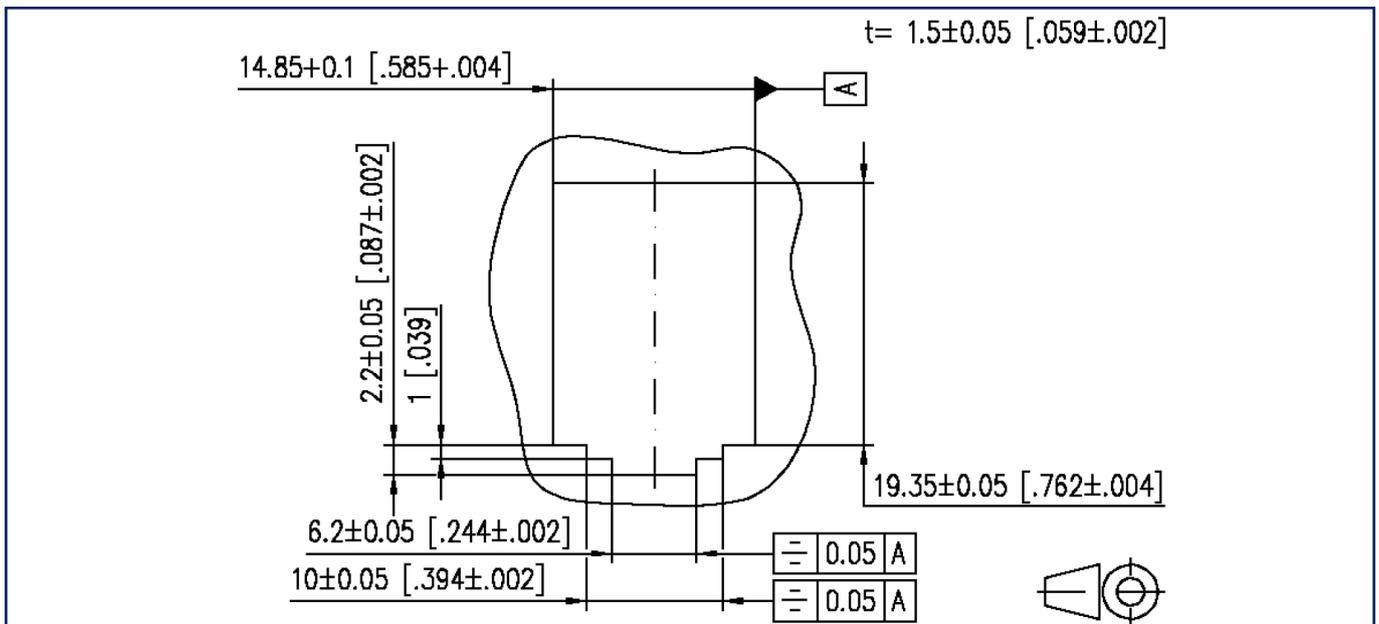
Accessories from

130B10D20002-E	Modul wall outlet surface mounted 2 port unequipped pure white 43 mm
130B10D20027-E	Modul wall outlet surface mounted 2 port unequipped traffic white 43 mm
130B10D30002-E	Modul wall outlet surface mounted 3 port unequipped pure white 43 mm
130B10E2E-E	Modul module frame 3RU, 7HP 6 port stainless steel unequipped
130B117003-E	REGplus IP20 C6$_A$modul 180°M
130B11P0-BK-E	C6$_A$modul 24 port 180°M 1RU, black
130B11P0-E	C6$_A$modul 24 port 180°M 1RU, gray
130B11P1-E	C6$_A$modul 24 port 180°M 1RU stainless steel
130B11P4-E	C6$_A$modul 48 port 180°M 1.5RU stainless steel
130B127003-E	REGplus IP20 C6$_A$modul 270°M
130B218003-E	REGplus IP20 FF C6$_A$modul 180°K
130B228003-E	REGplus IP20 FF C6$_A$modul 270°K
130D2CBU4-E	DCCS2 subassembly 4 port unequipped
14040000-E	MCO IP69k protective housing for outdoor use, set for exposed installation
14040010-E	MCO IP69k Protective housing for outdoor use, set with mounting bracket
14040100-E	MCO IP69k Protective housing for outdoor use, set wall/ housing bushing
1503600RJ00-B	OpDAT MV hybrid 12xmodule cutouts unequipped IP65
1503600RJ00-E	OpDAT MV hybrid 12xmodule cutouts unequipped IP54
15036ZRJ00-E	OpDAT MV patch panel 12xmodule cutouts unequipped

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Illustrations

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Illustrations

Wiring diagram