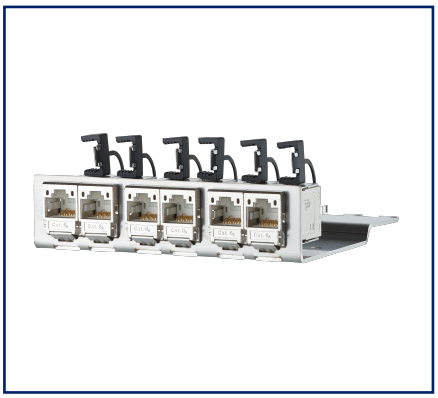
Data sheet

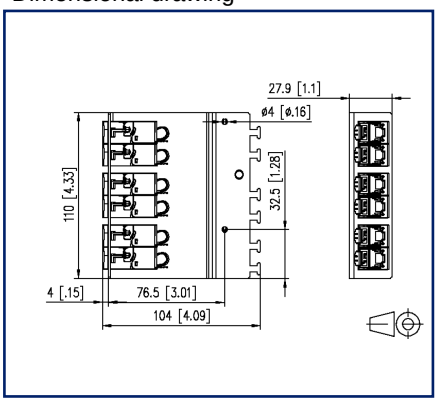
C6$_A$modul 6 port 180°M for 1RU

P/N
130B11P2-E
EAN 4250184131762
2026/08/31
Version: AI

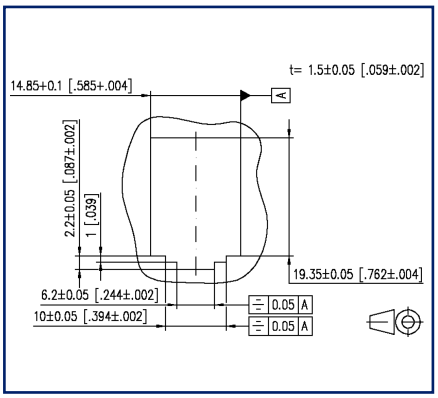
Illustrations



Dimensional drawing



Cut-out



See enlarged drawings at the end of document

Product specification

- module frame with 6 individual C6$_A$modul 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$_A$modul
- for mounting in surface-mounted housing, top hat rail adapter or 1RU module frame
- optional strain relief using cable ties
- grounding bolt M6 x 10 with nut and lock washer

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

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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	for 1RU
Shielding	shielded
Transmission technology	Copper
Wiring	T568A, T568B
Color	stainless steel
Dimensions	
Dimension (L x W x H)	104 mm x 110 mm x 27.9 mm
Dimension (L x W x H)	4.094 in. x 4.331 in. x 1.098 in.
Height unit	for 1RU
Modularity	yes

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
Transmission rate up to 10 GBit	IEEE 802.3an

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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 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.
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
Dielectric strength conductor-conductor, peak value (secondary)	max. 1.000 V AC
Dielectric strength conductor-shield	max. 1500 V DC

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Electrical characteristics	
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	top
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	stainless steel
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

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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

P/N	Designation
820032-0102-I	Dust protection cover for C6$_A$modul pure white
820032-0103-I	Dust protection cover for C6$_A$modul light gray
820032-0105-I	Dust protection cover for C6$_A$modul yellow
820032-0106-I	Dust protection cover for C6$_A$modul blue
820032-0107-I	Dust protection cover for C6$_A$modul green
820032-0108-I	Dust protection cover for C6$_A$modul red
820032-0129-H	Dust protection cover for C6$_A$modul black, (250 pcs)
820032-0129-I	Dust protection cover for C6$_A$modul black

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Accessories from

P/N	Designation
1308990110-E	DIN rail adapter
854544-E	Module frame 1RU 19 inches, unequipped
854568-E	Module frame 10 inches 1RU

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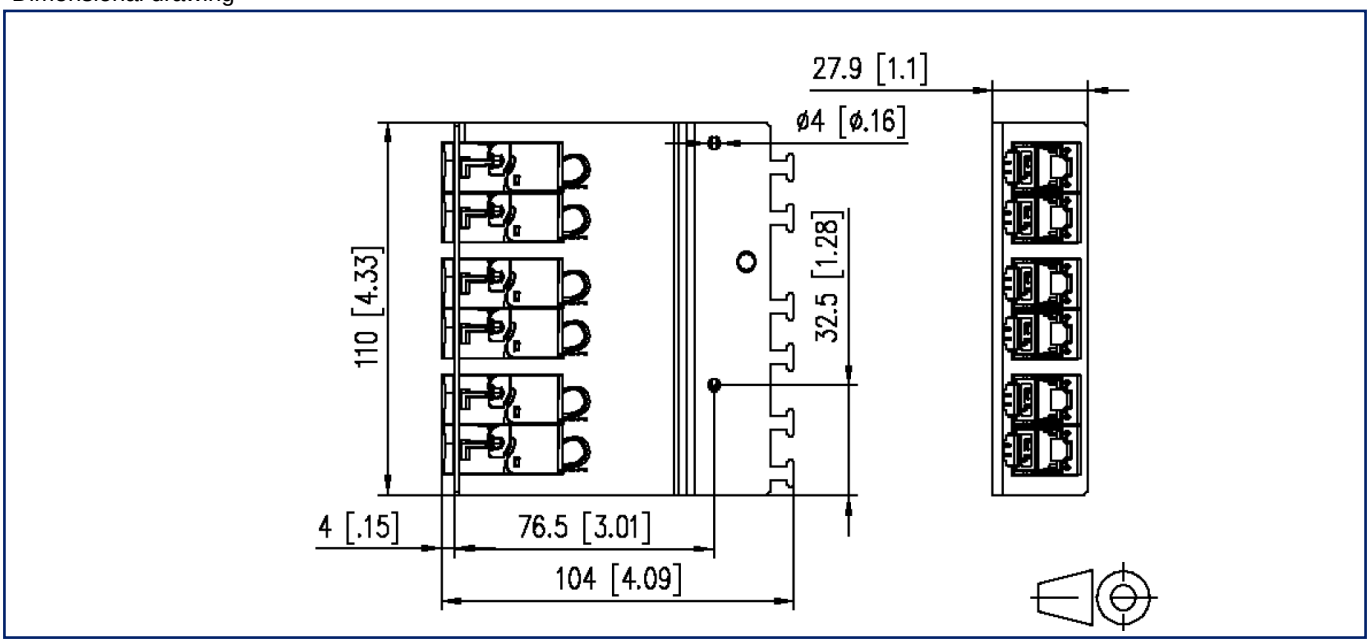

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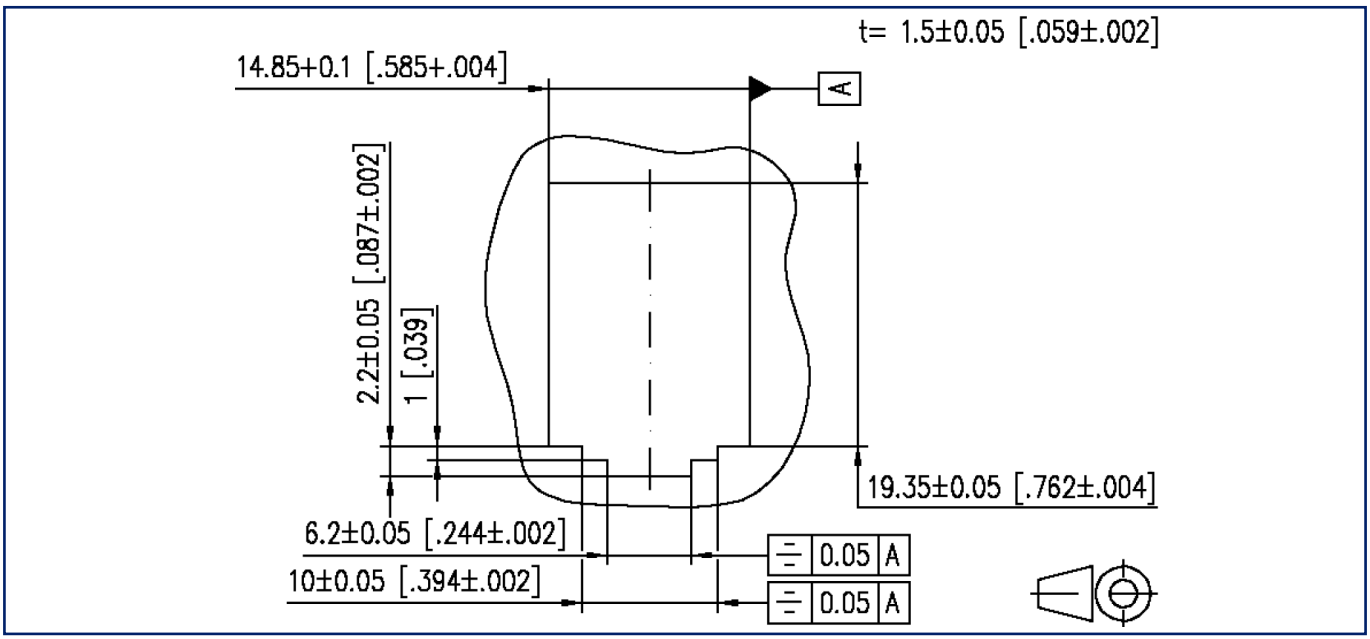

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Wiring diagram