

Data sheet

C6_Amodul 180° jack

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130B11-E

EAN 4250184132646

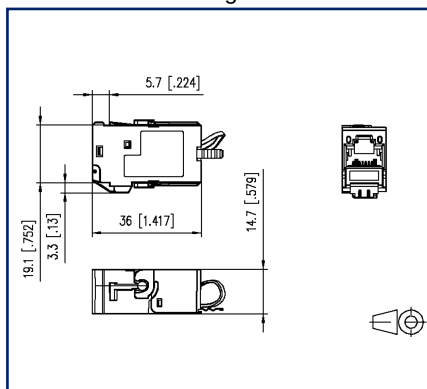
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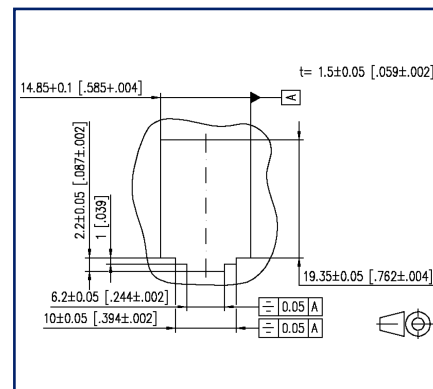
Illustrations



Dimensional drawing



Cut-out



See enlarged drawings at the end of document

Product specification

- modular Cat.6_A termination unit RJ45
- mounting version: MC module, 180° cable feed
- solid, one-piece and reusable module housing refined with zinc die-casting
- mounting without special tools, strain relief directly snapped on to stuffer cap
- migration to 25G-systems without special tools
- easy to install 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)
- intelligent cable management in stuffer cap - also suitable for heavily twisted cables
- conductor assignment to T568A and T568B is directly printed on the stuffer cap
- for 10BaseT, 100BaseT, ATM 155 Mbit/s, Gigabit Ethernet, 10GBASE-T
- potential bonding via spring contact to the application, additional connection for potential bonding with 2.8 mm flat plug
- 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



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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
Labeling option	on housing
Marking option	by latching clip

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 10 GBit	IEEE 802.3an

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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 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.
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	0.217 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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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
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
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Certifications

GHMT PVP		yes
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Approvals

UL listed (file no.)	 US LISTED	DUXR.E178484
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Technical Data

Standards/Regulations

Generic cabling systems

General requirements	ISO/IEC 11801-1:2017-11 DIN EN 50173-1:2018-10 ANSI/TIA-568-C
Office buildings	ISO/IEC 11801-2:2017-11 DIN EN 50173-2:2018-10 ANSI/TIA-568-C
Industrial area	ISO/IEC 11801-3:2017-11 DIN EN 50173-3:2018-10
Living units	ISO/IEC 11801-4:2017-11 DIN EN 50173-4:2018-10 ANSI/TIA-570-B
Data centers	ISO/IEC 11801-5:2017-11 DIN EN 50173-5:2018-10
Distributed building services	ISO/IEC 11801-6:2017-11 DIN EN 50173-6:2018-10

Connectors for electronic equipment

Free and fixed connectors	DIN EN 60603-7-51:2011-01
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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

Emission proof

Climate tests	IEC 60512-11
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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

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
13005AP1200-E	W-DAT Line PoE Access Point 1200 Mbit/s
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
1309141001-E	Modul wall outlet UP 1 port pearl white unequipped
1309141002-E	Modul wall outlet flush mounted 1 port unequipped pure white
1309141027-E	Modul wall outlet flush mounted 1 port unequipped traffic white
1309141101-E	Modul wall outlet UPk 1 port pearl white unequipped
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
1309150102-E	Modul wall outlet surface mounted flat 2 port unequipped pure white
1309151001-E	Modul wall outlet UP 2 port pearl white 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
1309151101-E	Modul wall outlet UPk 2 port pearl white unequipped
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

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Accessories from

1309161001-E	Modul wall outlet UP 3 port pearl white 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
1309161101-E	Modul wall outlet UPk 3 port pearl white unequipped
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
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
1309350301-E	Subway underfloor unit GB2 Modul 3 port unequipped pearl white
1309350601-E	Subway underfloor unit GB2 Modul 6 port unequipped pearl white
1309350901-E	Subway underfloor unit GB2 Modul 9 port unequipped pearl white
1309360301-E	Subway underfloor unit GB3 Modul 3 port unequipped pearl white
1309360601-E	Subway underfloor unit GB3 Modul 6 port unequipped pearl white
1309360901-E	Subway underfloor unit GB3 Modul 9 port unequipped pearl white
1309361201-E	Subway underfloor unit GB3 Modul 12 port unequipped pearl white

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Accessories from

1309413003-E	E-DAT Industry IP67 V6 for MC module
1309413203-E	E-DAT Industry IP67 V6 for MC module with mounting kit
1309427103-E	Modul REGplus IP20 light gray unequipped
1309430003-E	E-DAT modul IP44 surface mounted housing 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
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

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Accessories from

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

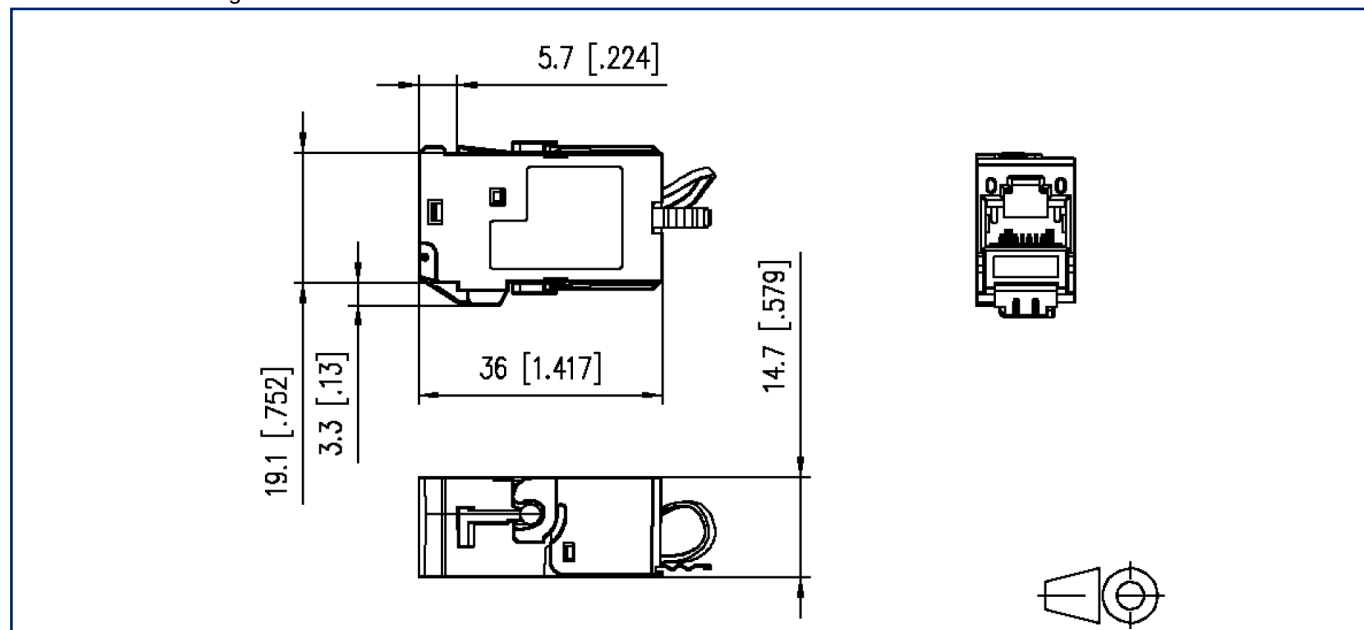
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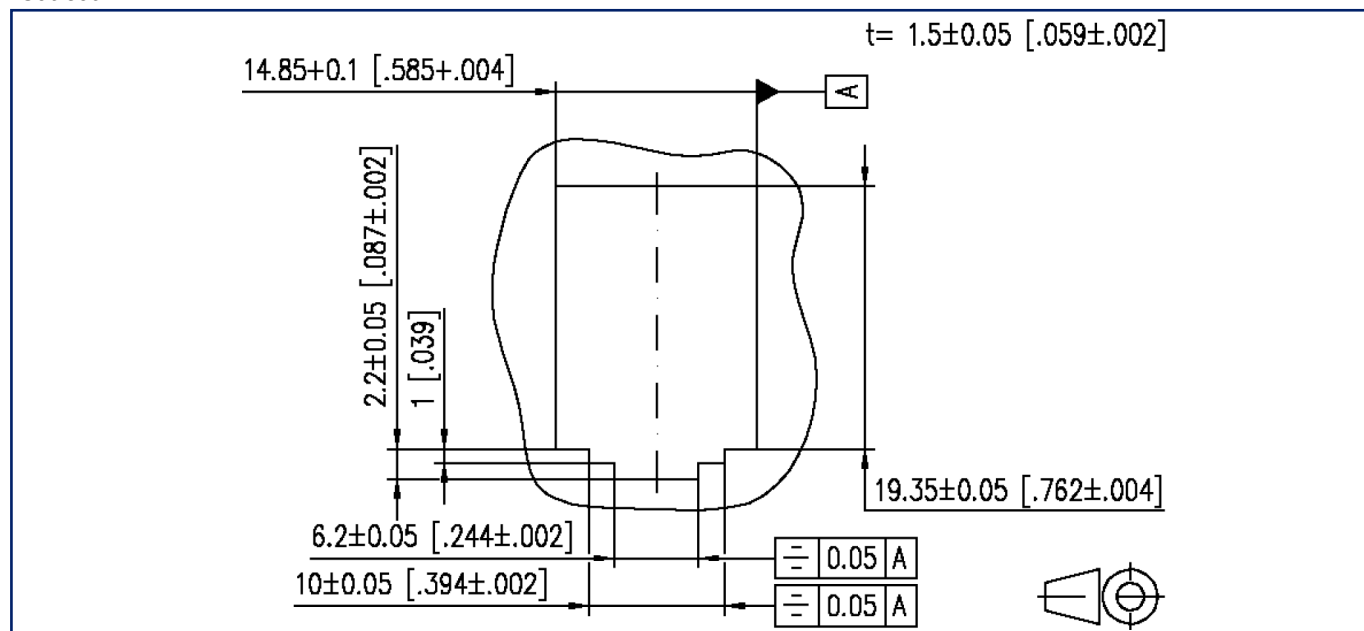
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Dimensional drawing



Cut-out



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Illustrations

Wiring diagram

