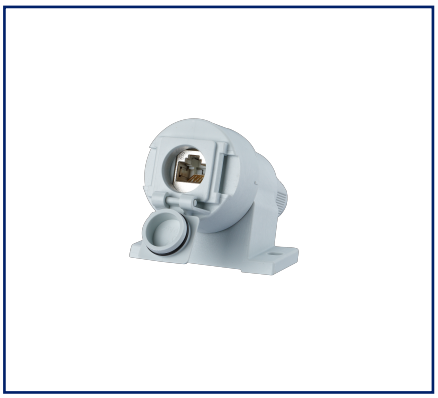
Data sheet

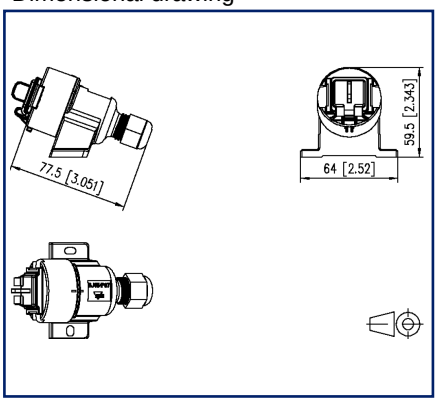
E-DAT Industry IP67 V6 surface mount housing, 1 port Cat.6_A - $C6_A$modul

P/N 1309510003-E
EAN 4250184162339
2025/05/13
Version: AH

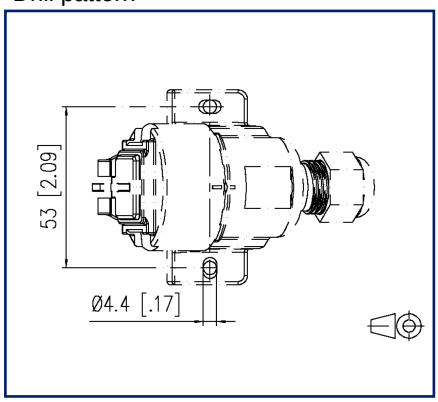
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- RJ45 termination unit $C6_A$modul in flange housing to ISO/IEC 24702 and IEC 61076-3-106 variant 6
- 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 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
- easy to install connection of data lines AWG 24/1 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
- complies with ingress protection IP67 when plugged in
- plug face according to IEC 61076-3-106 (variant 6)
- large 360° shield contact
- connection of RJ45 plugs available on the market (no IP protection)
- mounting without special tools, strain relief directly snapped on to stuffer cap
- color: light gray RAL 7035

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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	office areas harsh environment
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E3
Design	wall outlet
Mounting style	AP
Shielding	shielded
Transmission technology	Copper
Wiring	T568A, T568B
Color protective housing	light gray
Dimensions	
Dimension (L x W x H)	77.5 mm x 64 mm x 59.5 mm
Dimension (L x W x H)	3.051 in. x 2.52 in. x 2.343 in.

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
Protective housing interface 1	V6
Protective housing interface 2	V6
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
Conductor cross section, stranded wire	0.141 mm²
Conductor diameter, stranded wire	0.483 mm
Conductor diameter, stranded wire	0.019 in.
Cable sheath diameter (min. - max.)	
Cable sheath diameter	5.5 mm - 10.0 mm
Electrical/ optical properties	
Current carrying capacity	max. 1 A
Rated voltage	max. 50 V
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	
Insertion and withdrawal force	max. 30 N
Position/mounting of latch standard installation position	top
strain relief	latching clip

Materials and material properties	
Material - Housing	GD-Zn
Material - Protective housing	PA UL94 V0
Material - Contact	CuSn
Material - Contact finish	Ni + Au (nickel-gold)
Material - Contact carriers	PA 6.6
Material - Finish	Ni (nickel)
Material - Cable gland	PA (polyamide)
Material - Protective housing seal	NBR (nitrile butadiene rubber)
Material - Cap nut	PA (polyamide)
Material - Protective cap	PA UL94 V0
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
Particulate ingress	IP6X
Liquid ingress/immersion	IPX7
Rapid change of temperature	-40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min
General information	This product is suitable for use in industrial environments inside buildings with IPxy protection class according to DIN EN 60529 specified in this data sheet. Not specified for outdoor applications.

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Certifications

GHMT PVP		yes

Standards/Regulations

Generic cabling systems	
General requirements	ANSI/TIA-568
Industrial area	ISO/IEC 24702 | DIN EN 50173-3 ANSI/TIA-1005
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01
Connectors for electronic equipment - Tests and measurements	
Test standard for connectors (engaging and separating connectors under electrical load)	DIN-EN 60512-99-001, Pg. UEL1
Endurance tests	IEC 60512-9-3: 03-2009
Degrees of Protection Provided by Enclosures	IEC 60529
Interference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03
Climate tests	IEC 60512-11

Classifications

ETIM 7.0	EC002597
ETIM 8.0	EC002597
ETIM 9.0	EC002597

Packing details

Type of packaging	1 pc(s) / plastic bag
Packaging unit - Weight (gram)	94 g
Packaging unit - Weight (pound)	0.21 lb
Packaging dimension	160 mm x 100 mm x 380 mm
Packaging dimension	6.299 in. x 3.937 in. x 14.961 in.

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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. 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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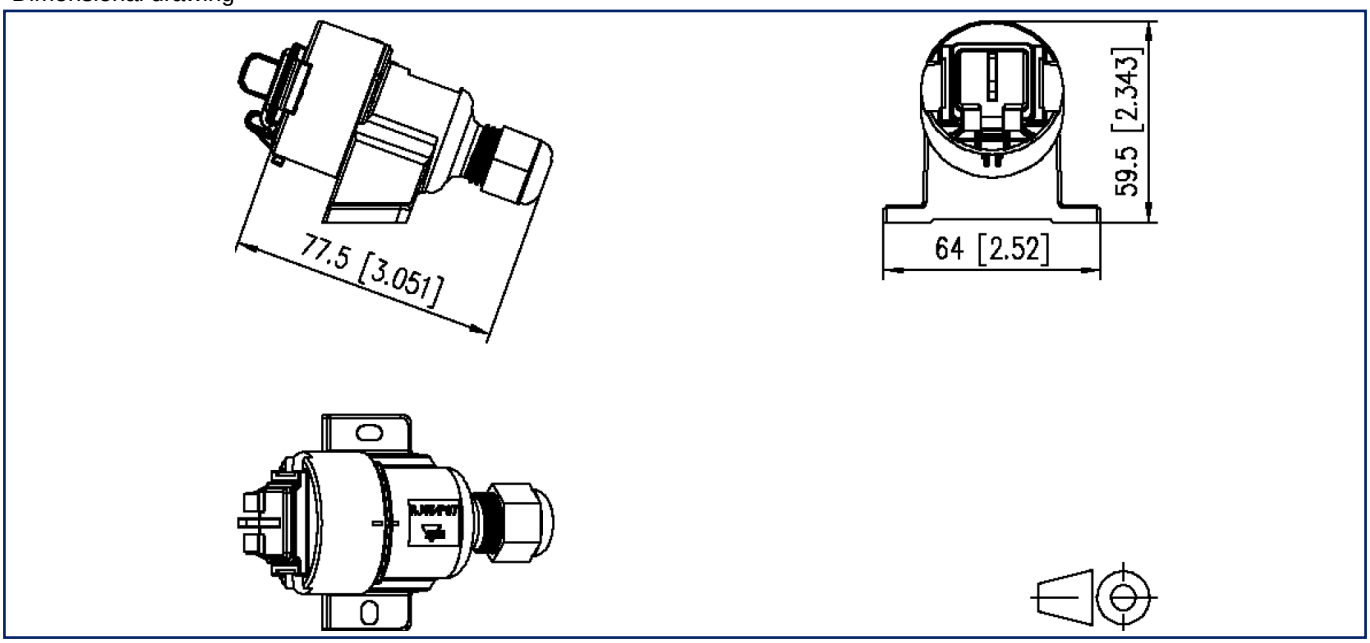

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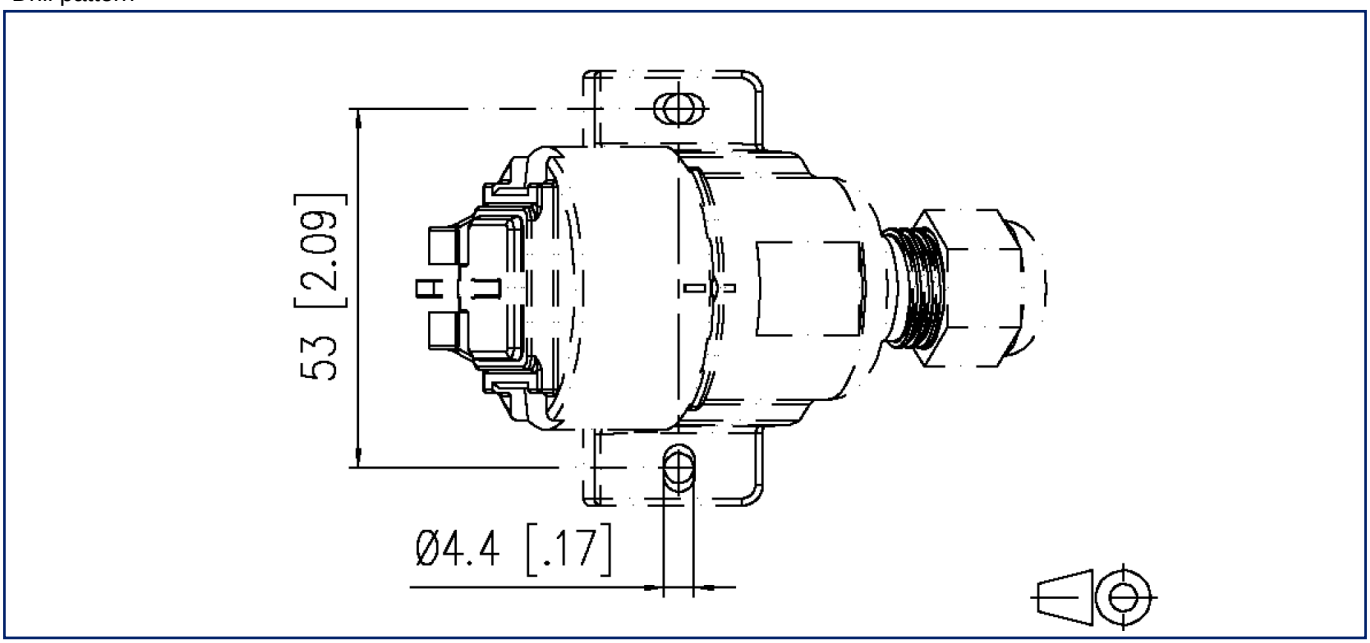

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