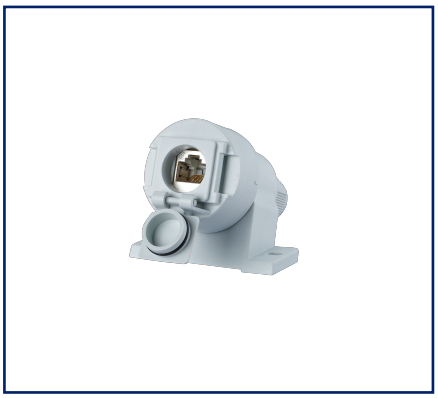
Data sheet

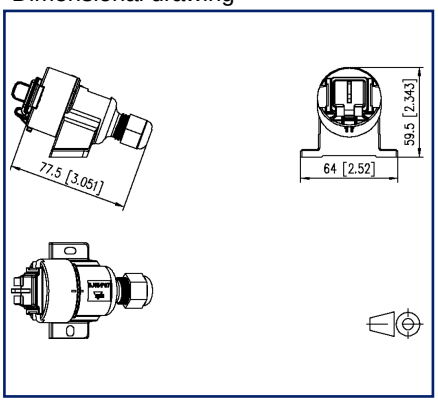
E-DAT Industry IP67 V6 surface mount housing, 1 port Cat.6_A - E-DAT modul

P/N 1309410003-E
EAN 4250184106517
2025/09/17
Version: AP

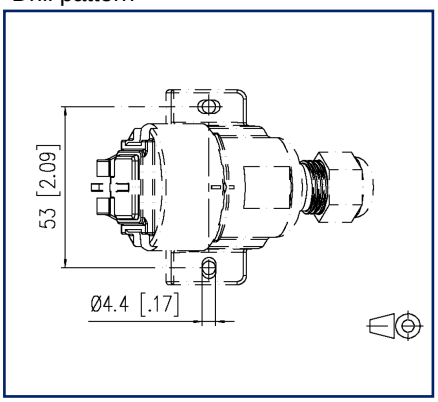
Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

Product specification

- RJ45 termination unit E-DAT modul in flange housing to ISO/IEC 24702 and IEC 61076-3-106 var. 6
- 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
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- easy to install connection of 2 to 4 pair data lines AWG 26/1 - 22/1 and stranded wires with 7 copper conductors AWG 26/7 - 22/7 to BTR 8-fold insulation displacement connectors (IDC)
- marking of conductor assignment to T568A and T568B
- complies with ingress protection IP67 when plugged in
- plug face pursuant to IEC 61076-3-106 (Variant 6)
- large 360° shield contact
- possible surface-mounting in series (AP)
- connection of RJ45 plugs available on the market (no IP protection)
- easy, time-saving mounting
- color: light gray RAL 7035

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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	E2
Design	wall outlet
Mounting style	AP
Shielding	shielded
Transmission technology	Copper
Wiring	T568A and 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 - 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.
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)	min. 1000 V DC
Mechanical data	
Insertion and withdrawal force	max. 30 N
Position/mounting of latch standard installation position	top

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Materials and material properties	
Material - Housing	GD-Zn
Material - Protective housing	PA UL 94 V0
Material - Contact	CuSn
Material - Contact finish	Ni + Au (nickel-gold)
Material - Contact carriers	PA 6.6
Material - Finish of insulation displacement contacts	Sn
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 UL 94 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

Certifications		
GHMT Type Approval	GHMT	Component

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Approvals

UL listed (file no.)	c UL US LISTED	DUXR.E178484

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
ETIM 10.0	EC002597

Packing details

Type of packaging	1 pc(s) / plastic bag

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Application note

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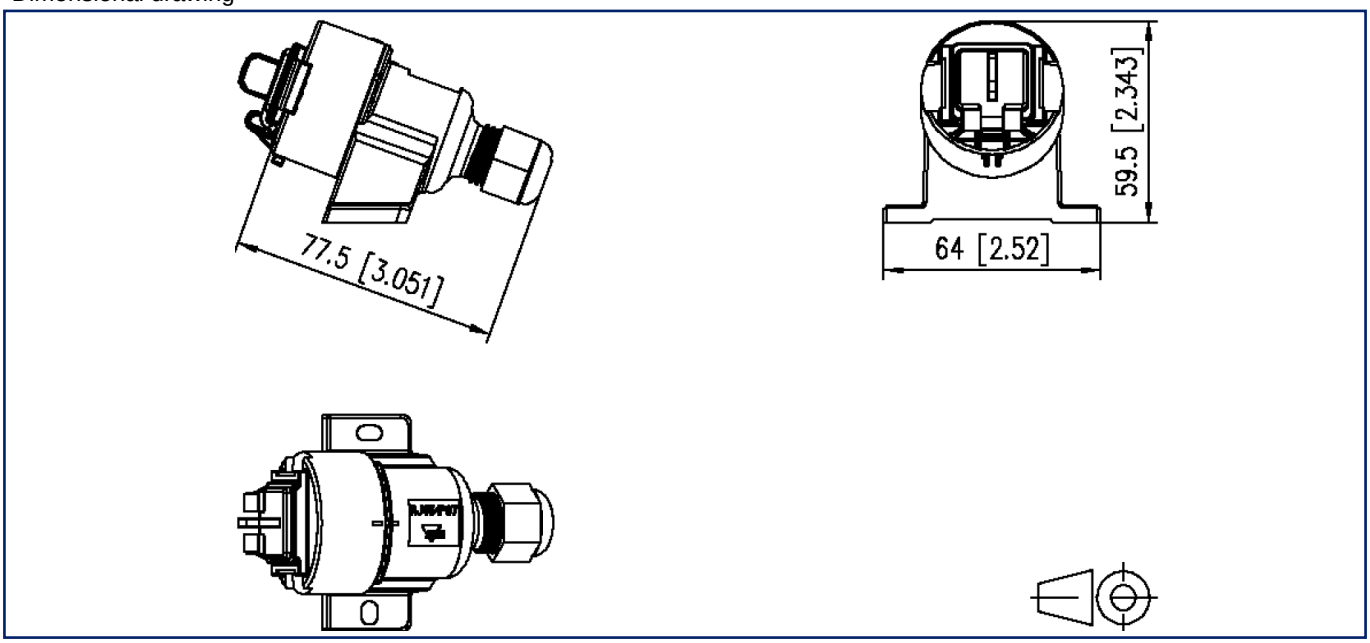
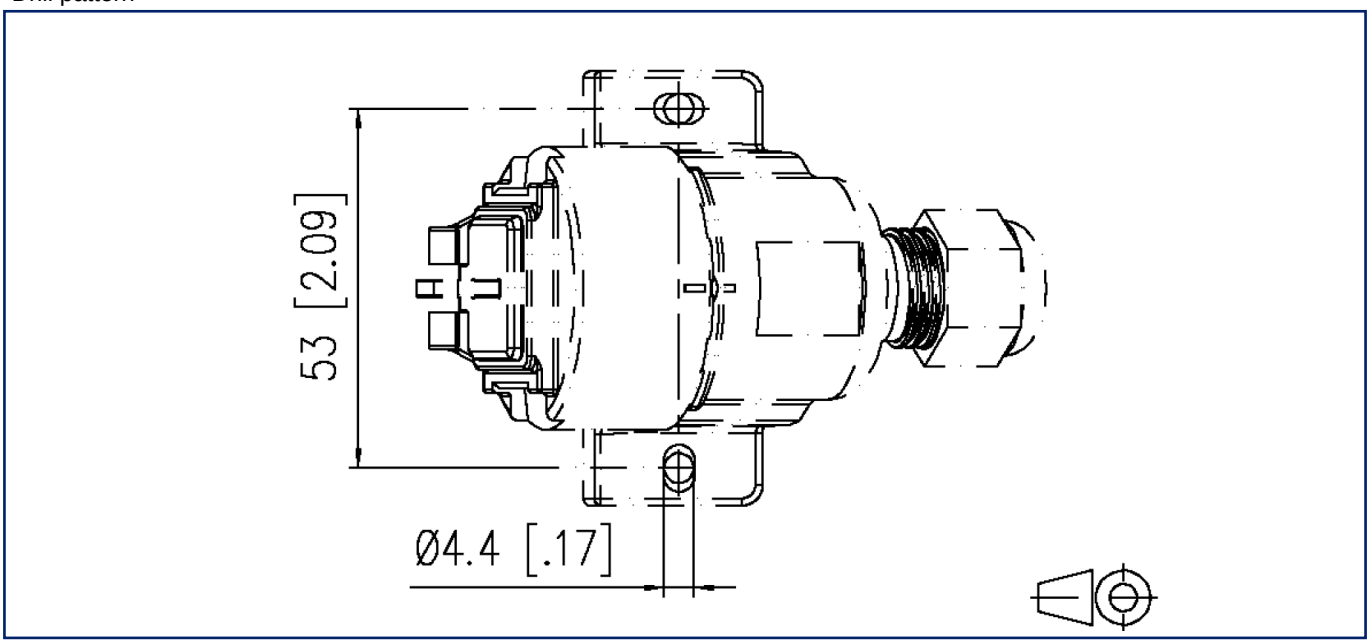


Drill pattern



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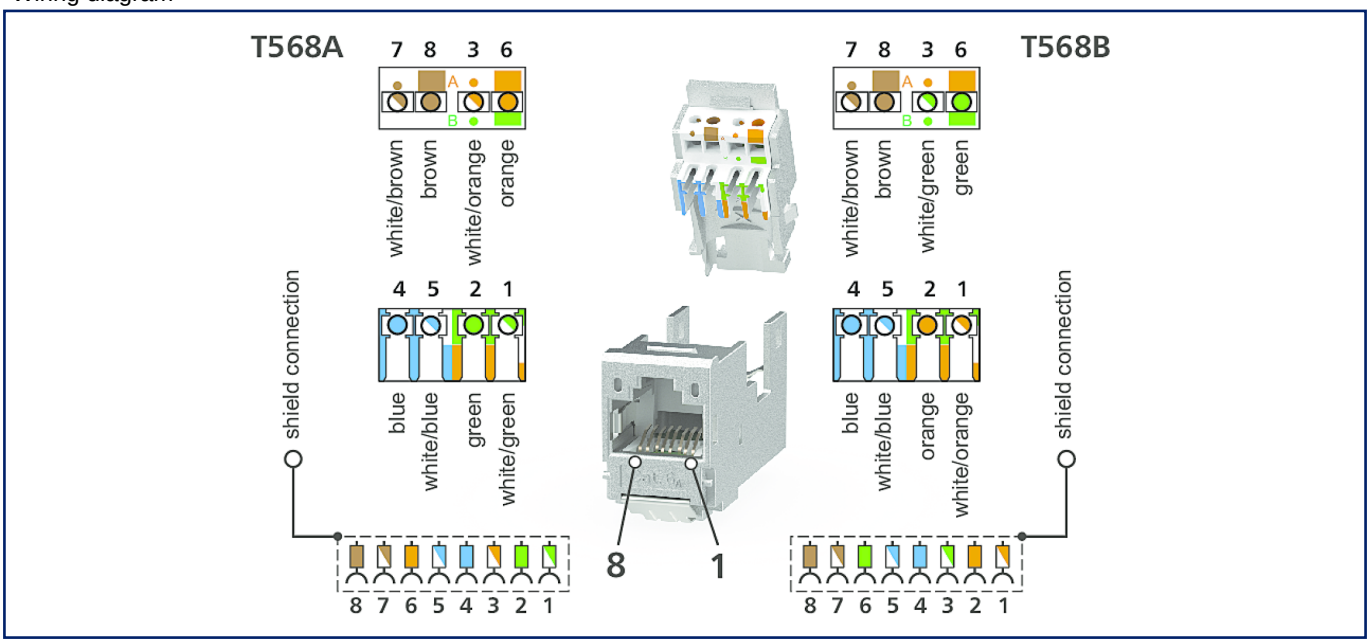
Wiring diagram



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