METZ CONNECT
We realize ideas

Data sheet

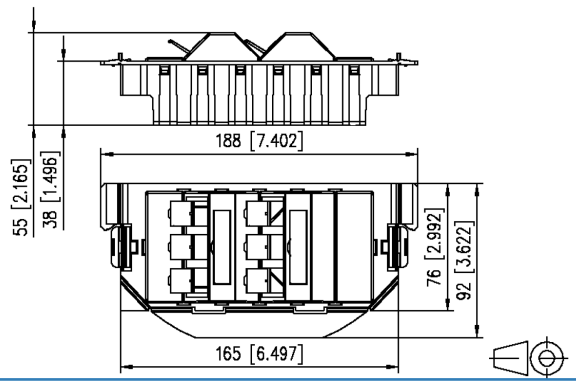
E-DAT subway 6 port GB2 pearl white

P/N
1309300601-E
EAN 4250184106241

2015-07-07

Illustrations

Dimensional drawing



See enlarged drawings at the end of document

Product specification

- termination unit for mounting in service outlets for underfloor systems
- suitable for underfloor service outlets of OBO Bettermann (Ackermann) and some types of :hager (Electraplan Solutions)
- GB2 design with E-DAT modul
- component testing for Cat.6_A to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09, TIA/EIA-568-C.2 (2009-08) and IEC 60603-7-51 Ed.1 (12/2008), certified to GHMT
- compliance with class E to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- tested: Link up to 500 MHz
- for 10 GBit Ethernet (IEEE 802.3an)
- suitable for Power over Ethernet (PoE, PoE plus and UPoE)
- 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 or T568B
- incl. module frame, caps and dummy covers
- module plug direction 45° upwards
- with label window for enclosed identification labels
- label sheet 209 x 294 mm see accessory
- integrated dust protection covers (also colored)
- color: black device casing, pearl white covers

- variants: 3 ports, 6 ports, 9 ports

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Technical Data

General Data	
Fields of application	
	Office
Design	Wall outlet
Mounting style	GB2
Shielding	shielded
Transmission technology	Copper
Color	pearl white
Dimensions	
Dimension (L x W x H)	55.00 x 76.00 x 188.00 mm
Dimension (L x W x H)	2.17 x 2.99 x 7.40 in.
Modularity	yes
Labeling option	label window with identification label
Marking option	by dust protection

Transmission characteristics	
Category (ISO)	6
Class (ISO/IEC)	E_A
Category (TIA)	6
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
Transmission rate up to 10 GBit	IEEE 802.3an

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

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Technical Data

Connections/interfaces	
Termination data, solid wire (min. - max.)	
Conductor cross section, solid wire	AWG 26 - 22
Conductor cross section, solid wire	0.128 - 0.324 mm²
Conductor diameter, solid wire (bare copper)	0.409 - 0.643 mm
Conductor diameter, solid wire (bare copper)	0.016 - 0.025 in.
Termination data, stranded wire (min. - max.)	
Conductor cross section, stranded wire	AWG 26 - 22
Conductor cross section, stranded wire	0.141 - 0.355 mm²
Conductor diameter, stranded wire (bare copper)	0.483 - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 - 0.030 in.

Electrical characteristics	
Current carrying capacity	1 A
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	min. 1000 V DC

Mechanical characteristics	
Insertion and withdrawal force	max. 30 N
Position/mounting of latch - standard installation position	top

Materials and material properties	
Material - Housing	GD-Zn (zinc die-cast)
Material - Cover part(s)	ABS
Material - Device casing	Frianyl
Material - Supporting frame	GD-Zn (zinc die-cast)
Material - Label window	ABS, transparent
Material - Dust protection	ABS
Material - Contact	CuSn (tin bronze)
Material - Contact finish	Ni + Au (nickel-gold)
Material - Contact carriers	PA 6.6

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Environmental conditions	
Temperature (min. - max.)	
Temperature - Storage °C	-40 - 70 °C
Temperature - Storage °F	-40 - 158 °F
Temperature - Operating °C	-40 - 70 °C
Temperature - Operating °F	-40 - 158 °F
Rapid change of temperature	-40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min
Damp heat	+25°C / +77°F / +65°C / +149°F / 93% RH // -10°C / -14°F / 21 cycles
Flowing mixed gas	+25 °C / +77°F / 73% RH / 4 days, H2S / SO2
Electromagnetic measurement	E_2
Vibration	50 m/s²
Shock	250 m/s²

Certifications	
Gost Certification	yes
RoHS	compliant

The product meets the following standards	
Universelle Gebäudeverkabelung	
General requirements	ISO/IEC 11801 Ed.2.2: 2011-06 | DIN EN 50173-1: 2011-09 TIA/EIA 568-C.2
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-51:2011-01
Interference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03
Climate tests	IEC 60512-11

Classifications	
ETIM 5.0	EC001264

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Technical Data

Packing details	
Type of packaging	1 pc(s) / plastic bag
Packaging unit - Weight (gram)	445.00 g
Packaging unit - Weight (pound)	0.98 lb

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Accessories

P/N	Designation
816979-0105-I	Dust protection covers for Modul patch panels subway / REG yellow
816979-0106-I	Dust protection covers for Modul patch panels subway / REG blue
816979-0107-I	Dust protection covers for Modul patch panels subway / REG green
816979-0108-I	Dust protection covers for Modul patch panels subway / REG red
899650-01	Label sheet for wall outlets
1309320301-E	Subway 3 port cover
1309330300-E	Subway 3 port module frame
1309320001-I	Subway blind cover
1309380101-I	Subway DIN device frame
1309310099-I	GB fastening kit PUK

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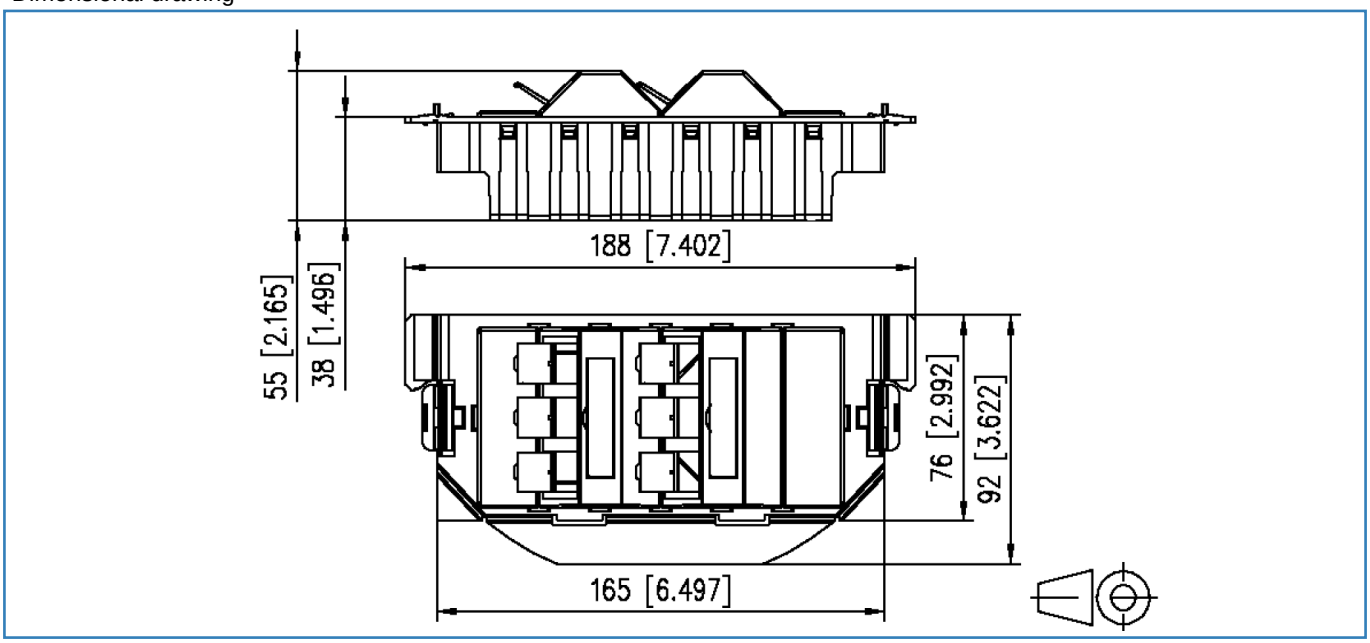

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