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Data sheet

C6$_A$modul 270° jack

P/N 130B12-E

EAN 4250184133452

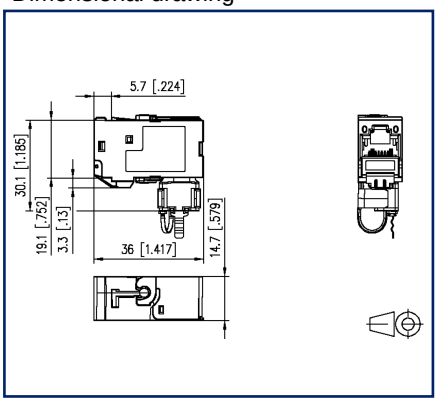
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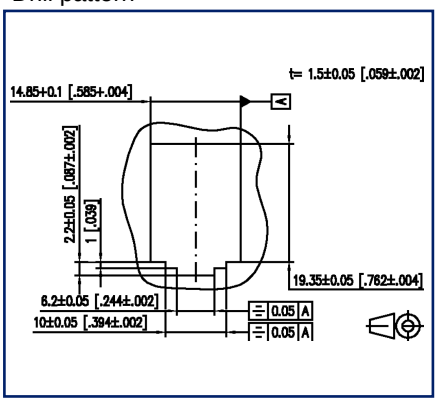
Illustrations



Dimensional drawing



Drill pattern



GHMT c UL US LISTED

See enlarged drawings at the end of document

Product specification

- modular Cat.6$_A$ termination unit RJ45
- mounting version: module, 270° 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
- 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
- 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

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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 30.1 mm
Dimension (L x W x H)	1.417 in. x 0.579 in. x 1.185 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 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 - 10.00 mm
Cable sheath diameter	0.217 in. - 0.394
Cable access/outlet	270°

Electrical characteristics	
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	
Cut-out	module
Mounting method	snap-in function
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 (zinc die-cast)
Material - Contact	Spring steel
Material - Contact finish	Au (gold)
Material - Shield	GD-Zn (zinc die-cast)
Material - Stuffer cap	PA 6.6 UL94 V0
Material - Strain relief	PA 6.6 UL94 V0
Halogen free	yes
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

Certifications		
GHMT PVP	GHMT	yes

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

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Technical Data

Standards/Regulations	
Generic cabling systems	
General requirements	ANSI/TIA-568-C
Office buildings	ISO/IEC 11801 Ed.2.2: 2011-06 | DIN EN 50173-2 ANSI/TIA-568-C
Living units	ISO/IEC 15018 | DIN EN 50173-4 ANSI/TIA-570-B
Connectors for electronic equipment	
Free and fixed connectors	IEC 60603-7-51
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
Interference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03
Emission proof	
Electromagnetic emission for residential, commercial and light-industrial environments	DIN EN 61000-6-3:2011-09
Climate tests	IEC 60512-11
Classifications	
ETIM 5.0	EC001121
ETIM 6.0	EC001121
ETIM 7.0	EC001121
ETIM 8.0	EC001121
ETIM 9.0	EC001121

Packing details	
Type of packaging	10 pc(s) / box
Packaging unit - Weight (gram)	420 g
Packaging unit - Weight (pound)	0.93 lb
Packaging dimension	258 mm x 164 mm x 51 mm
Packaging dimension	10.157 in. x 6.457 in. x 2.008 in.

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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-I	Dust protection cover for C6$_A$modul black

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Accessories from

P/N	Designation
13005AP300-E	W-DAT Line PoE Access Point UP0 plug
1309107003-E	REGplus IP20 E-DAT modul
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
1309A07003-E	REGplus IP20 E-DAT modul coupler 180°
1309A17003-E	REGplus IP20 E-DAT modul coupler 90°
130B117003-E	REGplus IP20 C6$_A$modul 180°M
130B127003-E	REGplus IP20 C6$_A$modul 270°M
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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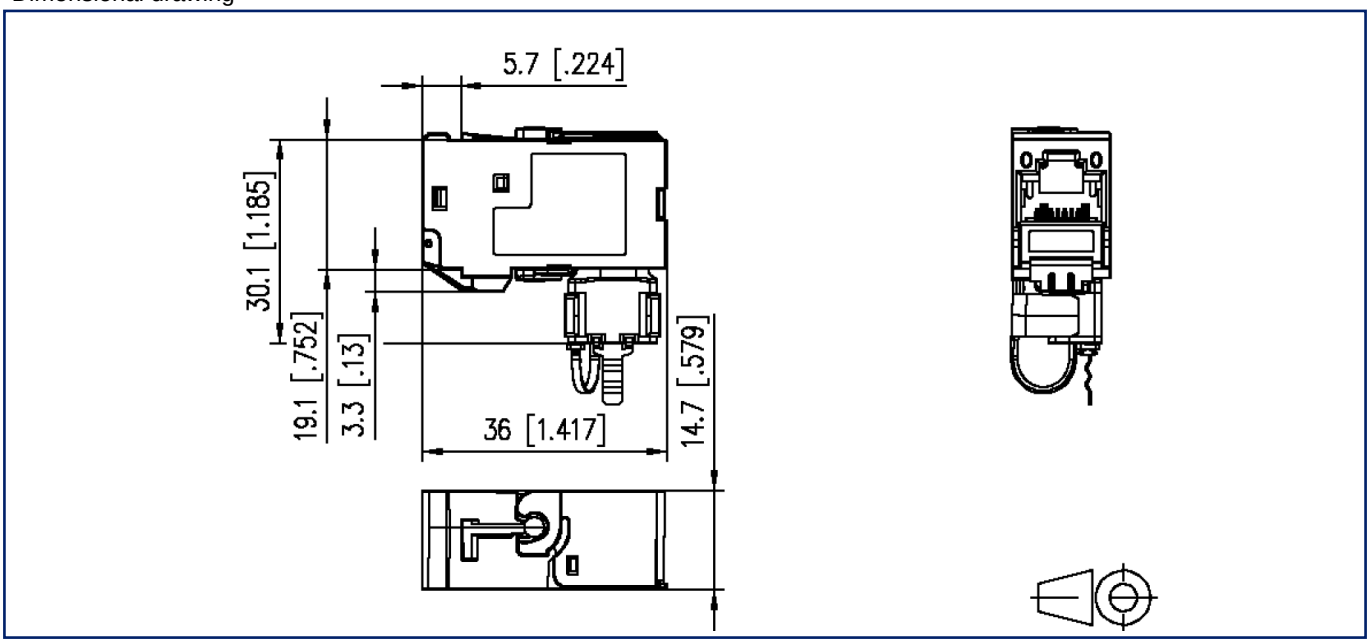
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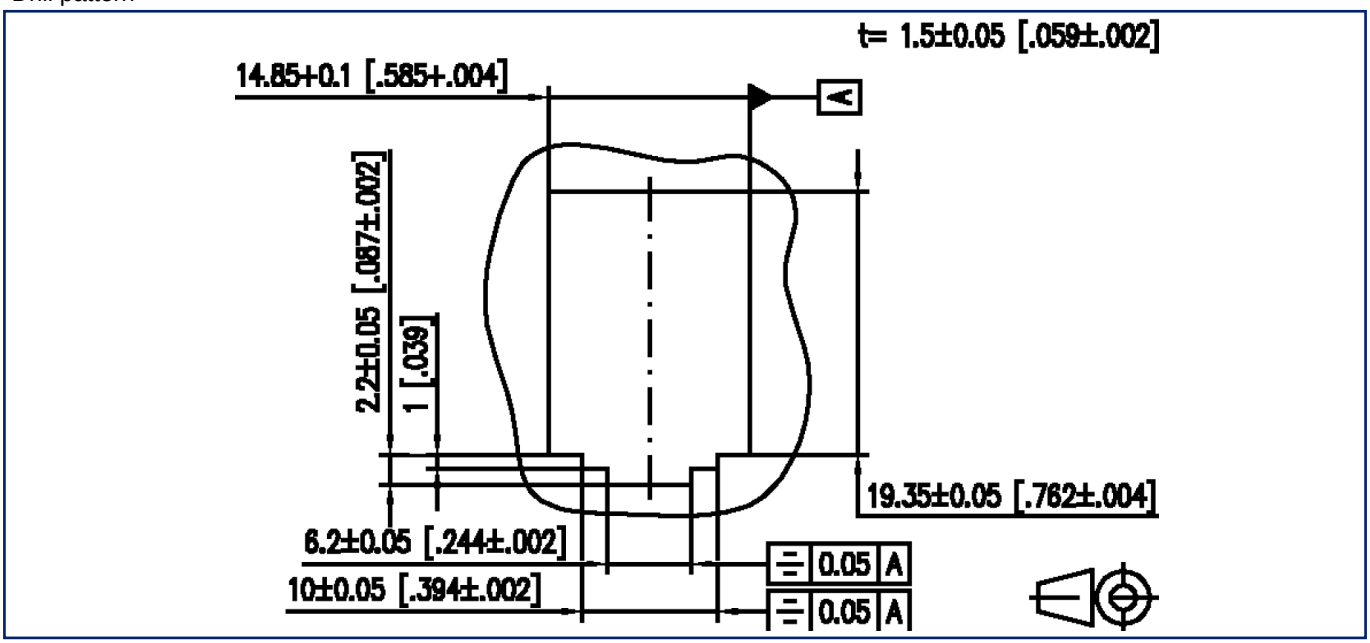
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Dimensional drawing



Drill pattern



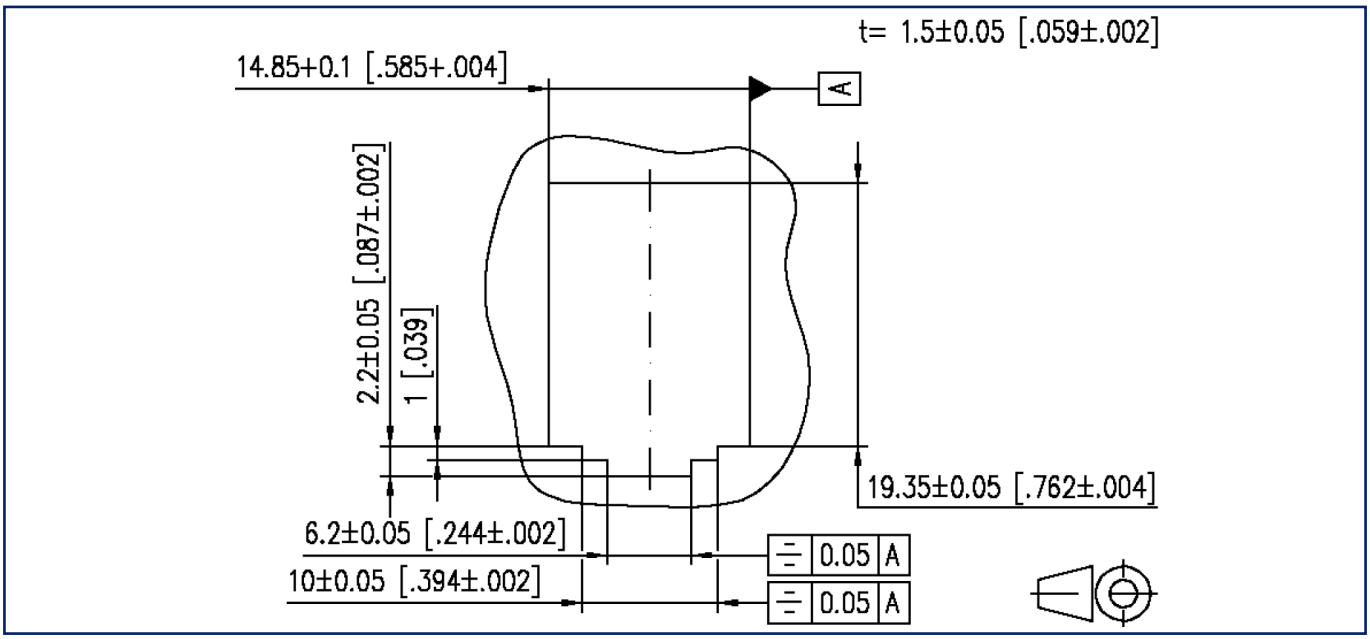
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Cut-out



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