

Data sheet

C6_Amodul 180° jack

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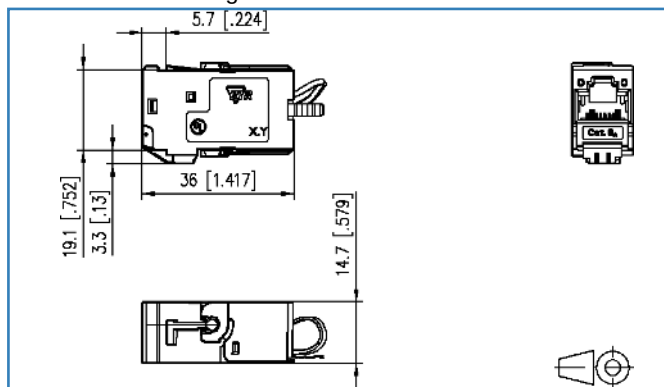
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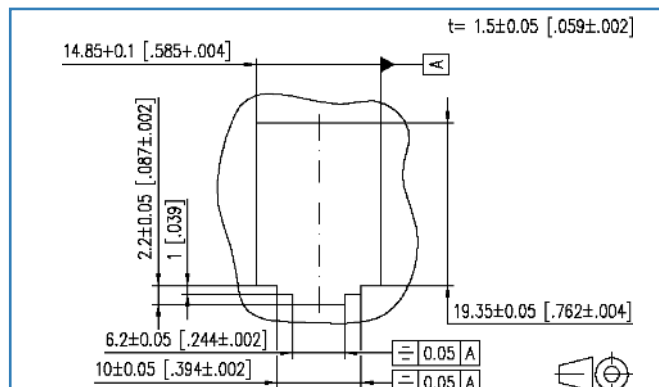
2017-29-03

Illustrations

Dimensional drawing



Cut-out



See enlarged drawings at the end of document



Product specification

- modular Cat.6_A termination unit RJ45
- mounting version: 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
- 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
- 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_A up to 500 MHz to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- tested: component up to 600 MHz, link up to 800 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) and HDBaseT

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Technical Data

General Data

Design	Jack
Shielding	shielded
Transmission technology	Copper
Wiring	T568A, T568B
Color	metallike
Dimensions	
Dimension (L x W x H)	36.00 x 14.7 x 22.40 mm
Dimension (L x W x H)	1.417 x 0.579 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
HDBaseT	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	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8
Number of positions/contacts interface 2	8P/8C



Technical Data

Connections/interfaces

Termination data, solid wire (min. - max.)

Conductor cross section, solid wire	AWG 26/1 - 22/1
Conductor cross section, solid wire	0.128 - 0.324 mm ²
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 26/7 - 22/7
Conductor cross section, stranded wire	0.141 - 0.355 mm ²
Conductor diameter, stranded wire (bare copper)	0.483 - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 - 0.030 in.

Cable access/outlet 180°

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

Mechanical characteristics

Cut-out	Modul
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



Technical Data

Materials and material properties

Material - Finish	Ni (nickel)
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Environmental conditions

Rapid change of temperature	-40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min
Electromagnetic measurement	E ₂

Certifications

GHMT Component



GHMT component - Validity period	28.02.2019
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GHMT PVP



GHMT PVP - Period of validity	31.08.2017
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Approvals

CE	compliant
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RoHS	compliant
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UL listed (file no.)	DUXR.E178484 
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The product meets the following standards

Generic cabling systems

General requirements	ISO/IEC 11801 Ed.2.2: 2011-06 DIN EN 50173-1: 2011-09 TIA/EIA 568-C
Office buildings	ISO/IEC 11801 Ed.2.2: 2011-06 DIN EN 50173-2: 2011-09 TIA/EIA 568-C
Living units	ISO/IEC 15018 DIN EN 50173-4: 2011-09 TIA/EIA 570-B

Technical Data

The product meets the following standards

Connectors for electronic equipment

Free and fixed connectors

DIN EN 60603-7-51:2011-01

Connectors for electronic equipment - Tests and measurements

Test schedule for connectors

DIN-EN 60512-99-001: 02-2013, Pg. UEL1

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

Packing details

Type of packaging

10 pc(s) / box

Packaging unit - Weight (gram)

430.00 g

Packaging unit - Weight (pound)

0.95 lb

Packaging dimension (W x H x D)

247.00 x 161.00 x 58.00 mm

Packaging dimension (W x H x D)

9.724 x 6.339 x 2.283 in.



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Accessories

P/N	Designation
820032-0129-I	Dust protection cover for C6 _A modul black
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
820032-0102-I	Dust protection cover for C6 _A modul pure white



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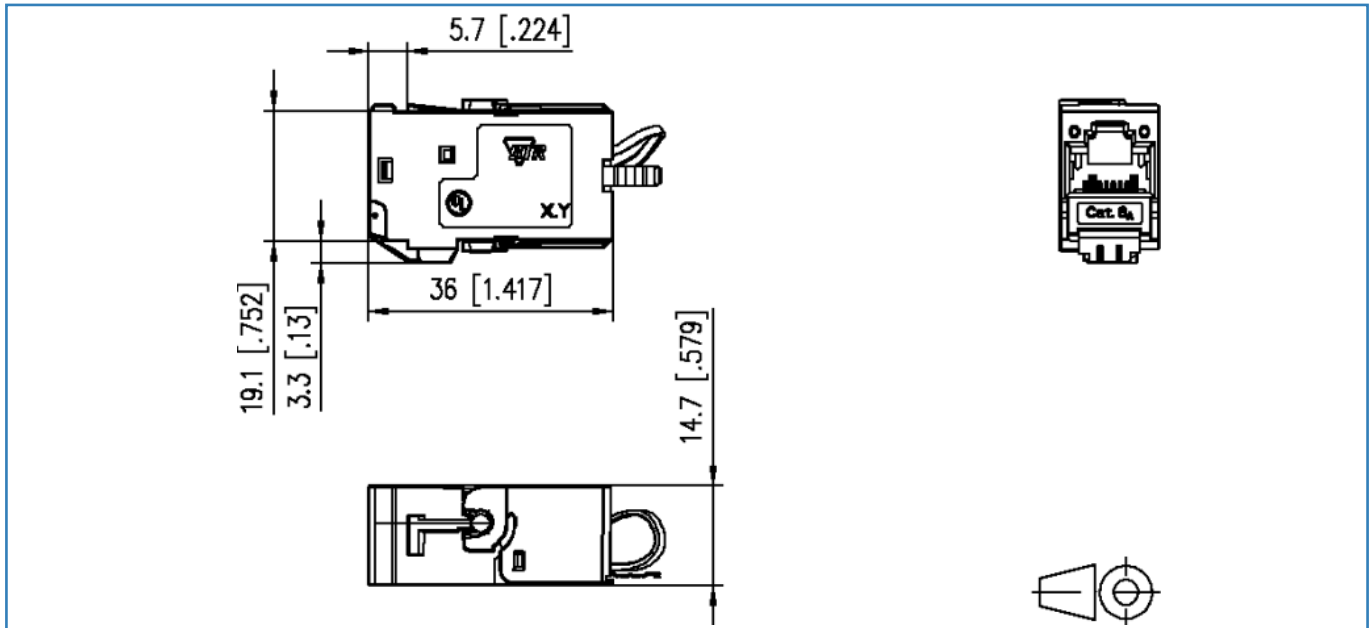
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