

Data sheet

REGplus IP20 C6_Amodul 180°M

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P/N

130B117003-E

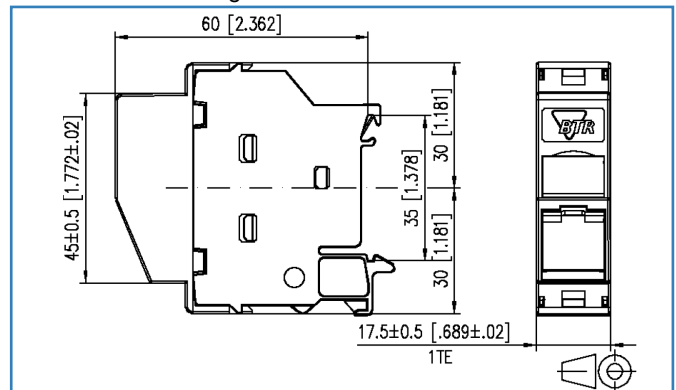
EAN 4250184136545

2018-02-02

Illustrations



Dimensional drawing



See enlarged drawings at the end of document



Product specification

- termination unit for mounting on TH35 rails to DIN EN 60715 in electrical distribution panels for home and industrial installations
- equipped with C6modul 180° RJ45 individual module
- cable feed 45° from the top, plug direction 45° downwards
- certified to GHMT Cat.6 re-embedded PVP
- component testing for Cat.6 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 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, UPoE and 4PPoE) and HDBaseT
- 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)
- conductor assignment to T568A and T568B is directly printed on the stuffer cap
- migration to 25G-systems without special tools
- width of 1HP allows mounting up to 12 REG plus in standard electrical distribution panels
- when mounted as a device of protection class I, the equipotential bonding is realized directly over the top hat rail by means of an integrated equipotential plate. This has to be connected to the equipotential bonding of the building by means of a bonding terminal
- a cover protects the module against direct contact. If mounted in distributor panels with protective insulation, protection class II is guaranteed. In this case, it is necessary to remove the equipotential bonding spring.
- integrated dust protection cover (also colored)

Technical Data

General Data

Fields of application	Office
Design	Wall outlet
Mounting style	Standard rail TH35
Shielding	shielded
Transmission technology	Copper
Color	light gray
Dimensions	
Dimension (L x W x H)	60.00 x 17.50 x 60.00 mm
Dimension (L x W x H)	2.362 x 0.689 x 2.362 in.
Horizontal pitch	1HP
Labeling option	label window with identification label
Marking option	by dust protection

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 (Gigabit-Ethernet)	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.

Module plug-in direction	45° downwards
Cable access/outlet	45° from the top

Electrical characteristics

Current carrying capacity	max. 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)	Franyl
Material - Lower housing	Franyl
Material - Label window	ABS, transparent
Material - Dust protection	ABS
Material - Contact	FeNiCo
Material - Contact finish	Au (gold)
Material - Stuffer cap	PA 6.6 UL94 V0
Material - Finish	Ni (nickel)
Material - Ground connection	CuSn4



Technical Data

Materials and material properties

Material - Strain relief PA 6.6 UL94 V0

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

Particulate ingress IP2X

Liquid ingress/immersion IPX0

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

Electromagnetic measurement E₂

Certifications

GHMT Component yes

GHMT PVP



RoHS compliant

UL listed (file no.)



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.2

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 (plugging and removing connectors under electrical load) DIN-EN 60512-99-001: 02-2013, DIN-EN 60512-99-002: 11-2015

Endurance tests IEC 60512-9-3: 03-2009



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The product meets the following standards

Interference proof	
Immunity for industrial environments	DIN EN 61000-6-2:2006-03
Climate tests	IEC 60512-11
Mechanical fastening of electrical devices in switchgears	DIN EN 60715

Classifications

ETIM 5.0	EC001024
ETIM 6.0	EC001024

Packing details

Type of packaging	10 pc(s) / box
Packaging unit - Weight (gram)	641.00 g
Packaging unit - Weight (pound)	1.41 lb
Packaging dimension (W x H x D)	235.00 x 165.00 x 135.00 mm
Packaging dimension (W x H x D)	9.252 x 6.496 x 5.315 in.



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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
899011-01	Label sheet for Modul patch panels / REG



