

1407503

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Device connector rear mounting, Ethernet CAT5 (IEC 11801:2002) (100 Mbps), 8-position, Socket, M12-SPEEDCON, coding: Y, Rear mounting, M16 x 1.5, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238748

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- · All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- · For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1407503
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEHB
Catalog page	Page 91 (C-2-2013)
GTIN	4046356807920
Weight per piece (including packing)	16.81 g
Weight per piece (excluding packing)	16.81 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Notes on operation	The electrical and mechanical data specified assumes that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of pollution, the connector must be sealed using a protective cap >IP54. Influences arising from litz wires, cables, or PCB mounting must also be taken into consideration. Additional mechanical fixing of the PCB is required.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type Real mounting type	lounting type	Rear mounting M16 x 1.5
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Product properties

Product type	Circular connectors (device side)
Sensor type	Ethernet
Number of positions	8
Shielded	yes
Coding	Υ
Thread type	M12

Data management status

Article revision 07	
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Material	Zinc die-cast (nickel-plated)
Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PPA
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U _N	48 V AC (Power and data)
	50 V DC (Power and data)



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Nominal current I _N	0.5 A (Data)
	6 A (Power)
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Conductor connection

Connection method	Solder pins
Contact connection type	Socket
Tightening torque	3 Nm 4 Nm (Installation-side)

Mechanical properties

Mechanical data

o.i.d.i.da.	
Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Head design	Socket
Head thread type	M12
Head locking type	SPEEDCON
Coding	Υ

Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
oighar typo, oatogory	2410/110t 67 t70 (120 1700112002), 100 Mbp0

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C 85 °C
	-40 °C 85 °C (without mechanical actuation)

Standards and regulations

M12

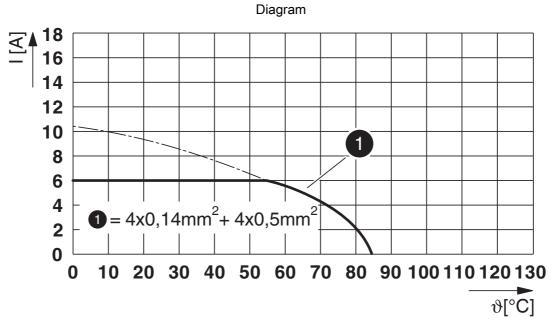
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-113



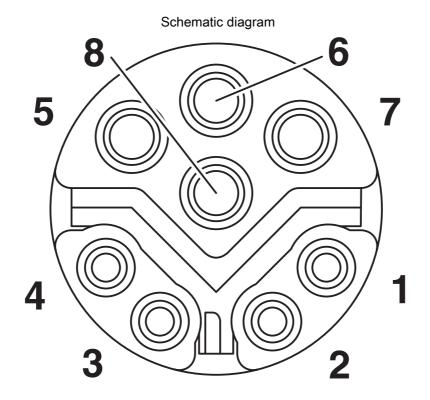
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Drawings



I = current strength, T = ambient temperature



Pin assignment of socket, 8-pos., Y-coded, socket side view



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1407503

CUL Recognized Approval ID: E335024-20120308				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	56 V	0.175 A	-	-
Data	30 V	0.5 A	-	-

UL Recognized Approval ID: E335024-2	UL Recognized Approval ID: E335024-20120308			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	56 V	0.175 A	-	-
Data	30 V	0.5 A	-	-

cLII	211	Recogn	ized



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Classifications

ECLASS

	ECLASS-11.0	27440102		
	ECLASS-12.0	27440116		
	ECLASS-13.0	27440116		
ΕT	ETIM			
	ETIM 9.0	EC002635		
UN	UNSPSC			
	UNSPSC 21.0	39121400		



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	1e0a0e10-e2c3-4761-94d5-05a2e0e4c20f

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