VS-08-DSIV-L180-HYB SCO - Device connector rear mounting

1456666

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M12 panel feed-through, front mounting

Device connector rear mounting, Ethernet CAT5 (IEC 11801:2002), 8-position, Socket, straight, M12-SPEEDCON, Y-coding, Wave soldering, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1456666
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAIA
GTIN	4046356620307
Weight per piece (including packing)	11.259 g
Weight per piece (excluding packing)	9.828 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.

Mounting

Mounting type	Rear mounting (M12 x 1)
Tightening torque	1.5 Nm ... 2 Nm (Housing, installation side)

Product properties

Product type	Circular connectors (device side)
Application	Hybrid
Number of positions	8
Shielded	yes
Coding	Y
Thread type	M12

Insulation characteristics

Degree of pollution	3

Dimensions

Length of the solder pin	2.3 mm
	2.3 mm

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material	PPA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	EPDM
Flammability rating according to UL 94	V0

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)
Nominal current I_N	0.5 A (Data)
	6 A (Power)

Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	1.5 Nm ... 2 Nm (Housing, installation side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002)

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	Y

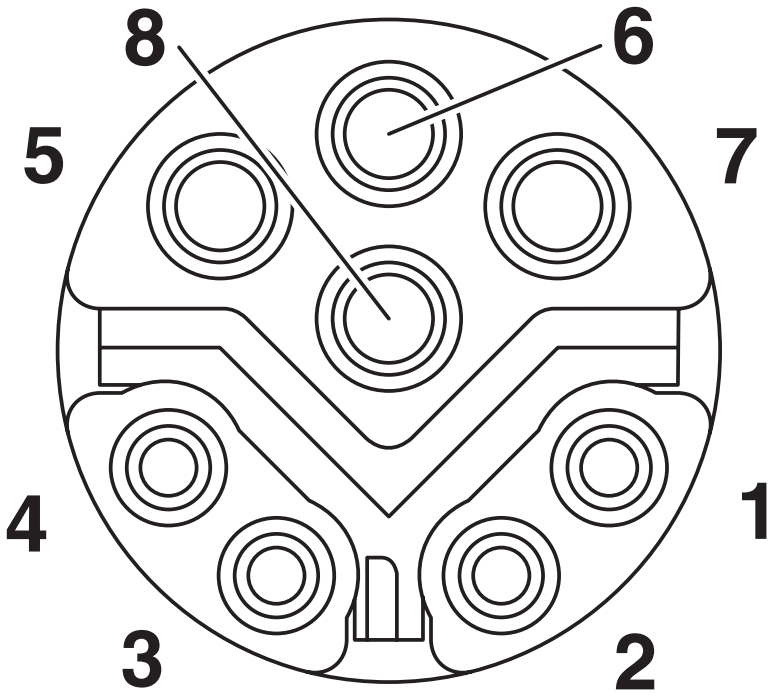
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1456666

cUL Recognized
Approval ID: E335024-20120517

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	56.5 V	0.175 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

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	0d90f353-df52-4c8a-aafa-6c071ebc78e3

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