

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



1456666  
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Device connector rear mounting, Ethernet CAT5 (IEC 11801:2002), 8-position, Socket, straight, M12-SPEEDCON, coding: Y, PCB mounting, M12 x 1, THR solder connection, this item is undergoing a smooth changeover, lead-free alternative in accordance with RoHS II without exception 6c (Pb < 0.1%) 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
Catalog page	Page 91 (C-2-2013)
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

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## 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.
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### Mounting

Mounting type	PCB mounting M12 x 1
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### Product properties

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

### Insulation characteristics

Degree of pollution	3
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### Dimensions

Length of the solder pin	2.3 mm
	2.3 mm

### Material specifications

Flammability rating according to UL 94	V0
Seal material	EPDM
Contact material	CuZn
Contact surface material	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 <sub>N</sub>	48 V AC (Power and data)
	50 V DC (Power and data)
Nominal current I <sub>N</sub>	0.5 A (Data)
	6 A (Power)
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

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## Connection data

### Conductor connection

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

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
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## Connector

### Connection 1

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

## Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002)
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## Environmental and real-life conditions

### Ambient conditions

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

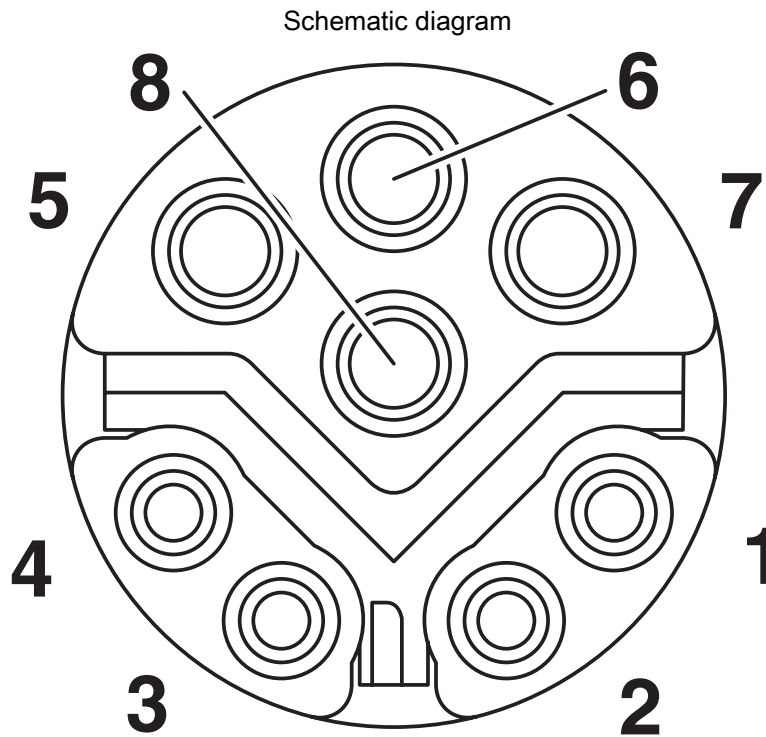
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## Drawings





Pin assignment M12 socket, 8-pos.

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Approvals

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

<div> <b>cUL Recognized</b> Approval ID: E335024-20120517</div>				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	56.5 V	0.175 A	-	-

<div> <b>UL Recognized</b> Approval ID: E335024-20120517</div>				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	56.5 V	0.175 A	-	-

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Classifications

ECLASS	
ECLASS-13.0	27440110
ETIM	
ETIM 9.0	EC003568
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	0d90f353-df52-4c8a-aafa-6c071ebc78e3

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