

# 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, Y-coding, THR solder connection, this item is expected to be lead-free from Q2 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

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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	Rear mounting
Tightening torque	1.5 Nm ... 2 Nm (Housing, installation side)

### 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

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	$\leq 3 \text{ m}\Omega$
Insulation resistance	$> 100 \text{ M}\Omega$
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)

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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

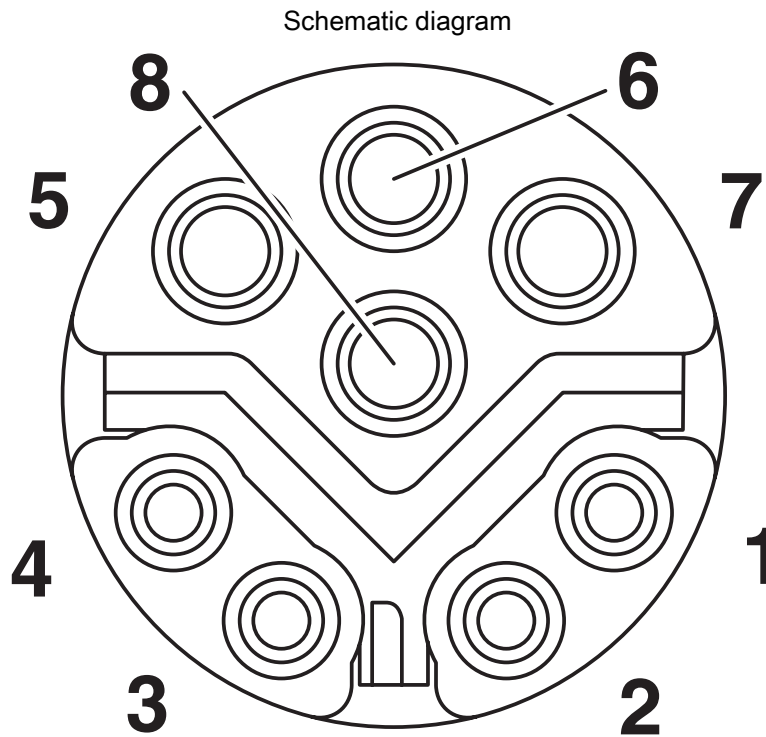
Degree of protection	IP67 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

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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>

 <b>cUL Recognized</b> Approval ID: E335024-20120517				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	56.5 V	0.175 A	-	-

 <b>UL Recognized</b> Approval ID: E335024-20120517				
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## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 9.0	EC003568
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### 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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