

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

1456666

<https://www.phoenixcontact.com/us/products/1456666>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 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

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



1456666

<https://www.phoenixcontact.com/us/products/1456666>

## 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
Sensor type	Ethernet
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 <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)

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



1456666

<https://www.phoenixcontact.com/us/products/1456666>

	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
-----------------------------	-------

## 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)
----------------------	--------------------------------

## Environmental and real-life conditions

### Ambient conditions

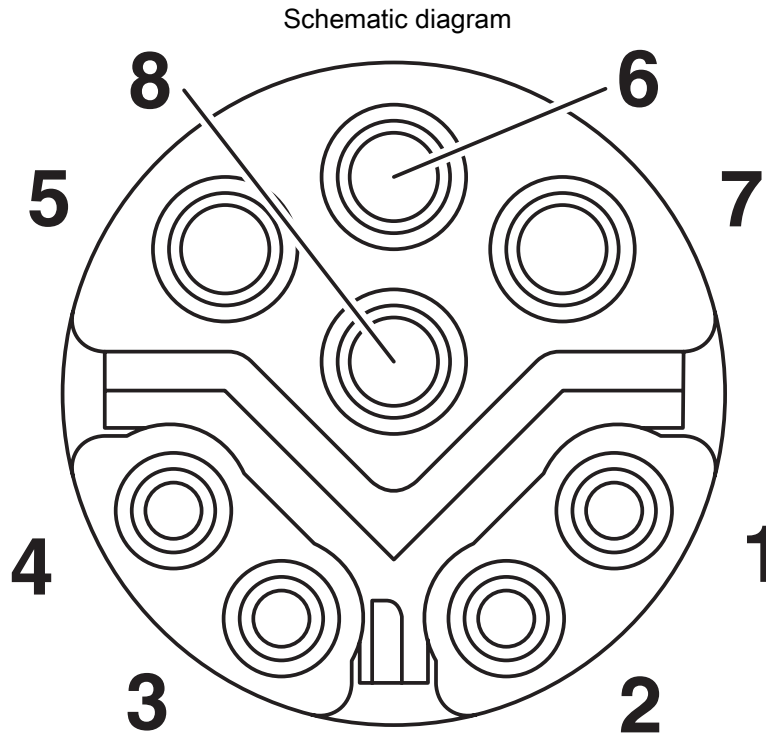
Degree of protection	IP67 (When plugged in)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

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

1456666

<https://www.phoenixcontact.com/us/products/1456666>

## Drawings



Pin assignment M12 socket, 8-pos.

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





1456666

<https://www.phoenixcontact.com/us/products/1456666>

## 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				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	56.5 V	0.175 A	-	-

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



1456666

<https://www.phoenixcontact.com/us/products/1456666>

## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 10.0	EC003568
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1456666

<https://www.phoenixcontact.com/us/products/1456666>

## 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

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)