

# VS-EC-MSDB SH SCO - Device connector front mounting



1440711

<https://www.phoenixcontact.com/us/products/1440711>

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Device connector front mounting, 4-position, Socket, straight, M12-SPEEDCON, 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

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- For high transmission reliability: optional shield connection to the housing by means of shield contact
- SPEEDCON fast locking system reduces cabling times

## Commercial data

Item number	1440711
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB27
Product key	ABQSAI
GTIN	4046356554053
Weight per piece (including packing)	11.185 g
Weight per piece (excluding packing)	10.117 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Mounting

Mounting type	Front mounting (M12 x 1, with locking nut)
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### Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	yes

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Contact	Cu alloy
Material Contact surface	Au
Flammability rating according to UL 94	V0

### Electrical properties

Nominal voltage $U_N$	30 V
Nominal current $I_N$	1 A
Transmission characteristics (category)	CAT7, for USB 2.0 (480 Mbps)

### Connection data

Conductor connection	
Connection method	Wave soldering

### Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	$\geq 100$

### Connector

Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON

### Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)

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UL Type Rating	Type 4 (indoor use only)
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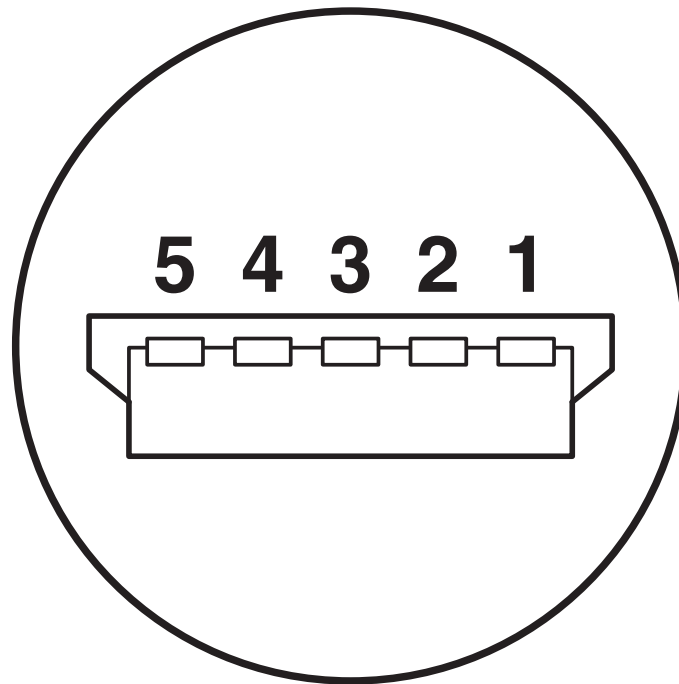
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## Drawings

Schematic diagram



Connector pin assignment

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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	491229b7-7486-4d50-82c2-05c47764e7c1

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