

# 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, Mini-B USB 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 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
Thread type	M12

### 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
Contact connection type	Socket

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	≥ 100
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### Connector

#### Connection 1

Head design	Mini-B USB socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
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Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

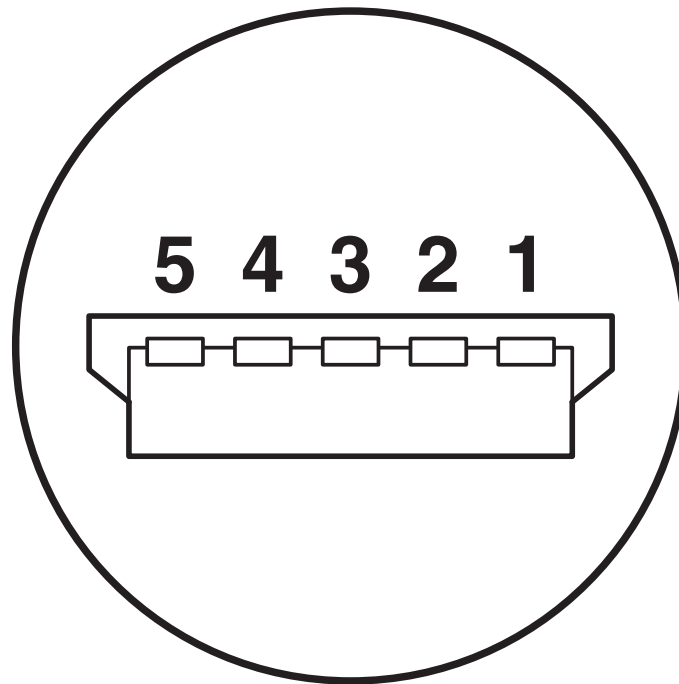
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 10.0	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, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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