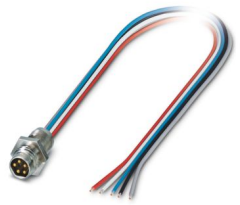
SACC-E-M8MS-5CON-M10/0,5 DN - Device connector front mounting

1424234

https://www.phoenixcontact.com/us/products/1424234

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Device connector front mounting, DeviceNet™, 5-position, Pin, straight, M8, Individual wires, cable length: 0.5 m, 0.25 mm^2, PVC litz wire

Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

Item number	1424234
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQIAB
GTIN	4046356712460
Weight per piece (including packing)	16.95 g
Weight per piece (excluding packing)	14.8 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Mounting

Mounting type	Front mounting (M10)

Product properties

Product type	Circular connectors (device side)
Application	Data
Sensor type	DeviceNet™
Number of positions	5
No. of cable outlets	1
No. of control contacts	5
Shielded	no
Coding	B
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	HB
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	3 A
Max. conductor resistance	80 Ω/km

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	0.25 mm²

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Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8

Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Signal type/category	DeviceNet™
Wire diameter incl. insulation	1.5 mm ±0.1 mm
Single wire, color	gray, red, white, black, blue
Cable cross section	0.25 mm²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.20 mm
AWG signal line	24
Material wire insulation	PVC / UL
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≥ 80 Ω/km
Cable insulation resistance	≥ 20 MΩ*km
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-10 °C ... 105 °C

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	-10 °C ... 105 °C

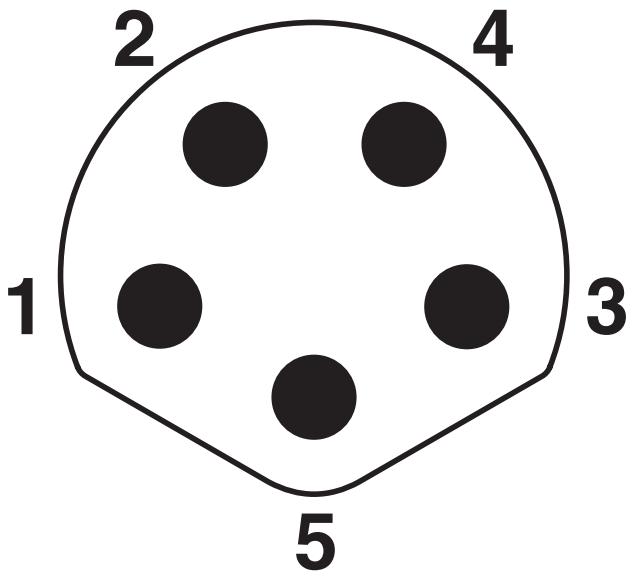
Standards and regulations

Standard designation	M8 circular connector
Standards/specifications	according to IEC 61076-2-104

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Drawings

Schematic diagram



Pin assignment M8 plug, 5-pos., B-coded, view plug side

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1424234

cUL Recognized
Approval ID: E221474-20070307

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	4 A	24	-

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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	30 V	4 A	24	-

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Classifications

ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

ETIM

ETIM 9.0	EC003570

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	71543d1e-e5ee-4034-b8ce-55eb3d893860

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