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SACC-E-M 8MS-4CON-M8/0,5 - Device connector front mounting

1500347

https://www.phoenixcontact.com/pc/products/1500347

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Device connector front mounting, 4-position, Pin, straight, M8, coding: A, Front mounting, M8 x 0.5, 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	1500347
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	02
Product key	ABQIAA
Catalog page	Page 33 (C-2-2019)
GTIN	4017918589080
Weight per piece (including packing)	13.8 g
Weight per piece (excluding packing)	13.8 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Mounting

Mounting type	Front mounting M8 x 0.5

Product properties

Product type	Circular connectors (device side)
Application	Signal
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

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

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 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
Tightening torque	0.8 Nm ... 1 Nm (Installation-side)

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Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8
Coding	A

Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.5 mm ±0.1 mm
Single wire, color	brown, white, blue, black
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 (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

M8

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

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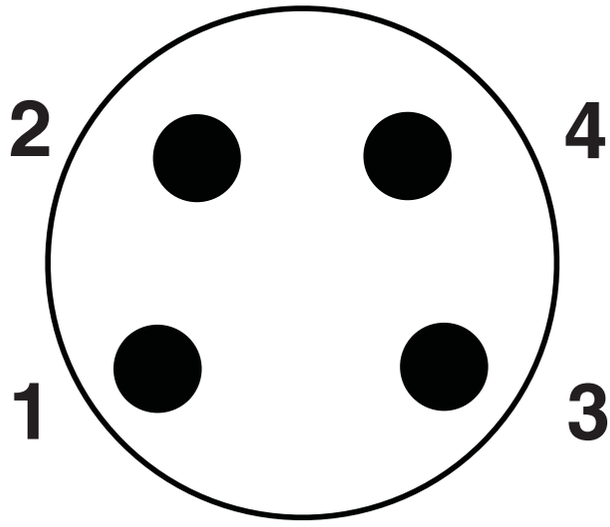
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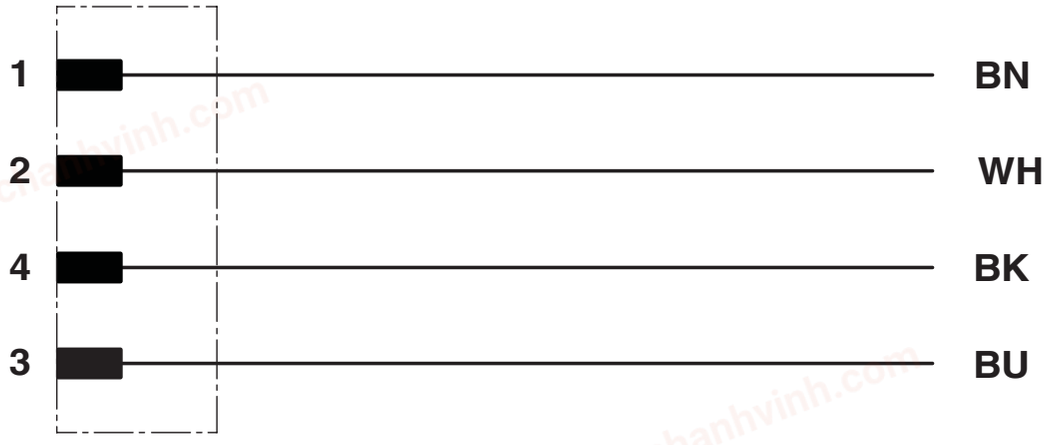
Drawings

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

Circuit diagram



Contact assignment of M8 plugs/sockets

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1500347

cUL Recognized
Approval ID: E221474-20070307

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

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Classifications

ECLASS

ECLASS-13.0	27440103

ETIM

ETIM 9.0	EC002635

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	9bf9abc3-8637-48b9-aa5e-9beb8c6072e0

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