

SACC-E-M8MS-8CON-M10/0,5 - Device connector front mounting



1424232

<https://www.phoenixcontact.com/pc/products/1424232>

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Device connector front mounting, 8-position, Plug, straight, M8, Front mounting, M10, Individual wires, cable length: 0.5 m, 0.14 mm², PVC litz wire

Your advantages

- Pre-assembled 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	1424232
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	ABQBBA
Catalog Page	Page 33 (C-2-2019)
GTIN	4046356712446
Weight per Piece (including packing)	18.5 g
Weight per Piece (excluding packing)	16.2 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Mounting

Mounting type	Front mounting M10
Connection method	Individual wires

Product properties

Product type	Circular connectors (device side)
Number of positions	8
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
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

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V AC
	30 V DC
Nominal current I_N	1.5 A

Connection data

Conductor connection

Connection method	Individual wires
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Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M8

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Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.3 mm \pm 0.1 mm
Single wire, color	white, brown, green, yellow, gray, pink, blue, red
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Material wire insulation	PVC / UL
Thickness, insulation	0.38 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	$\geq 80 \Omega/\text{km}$
Cable insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
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
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 105 °C (cable, fixed installation)
	-10 °C ... 105 °C

Standards and regulations

M8

Standards/specifications	IEC 61076-2-104
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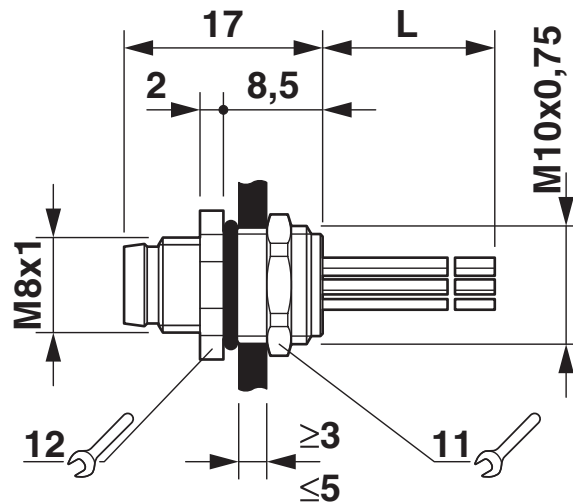


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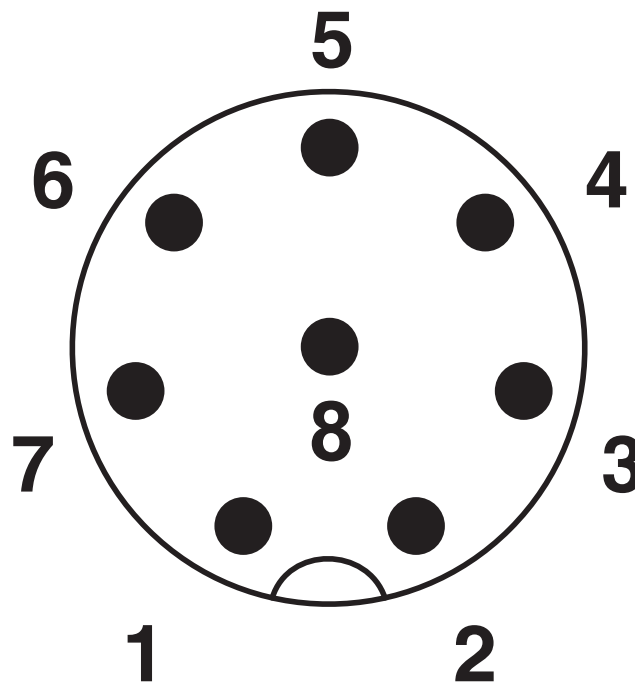
Drawings

Dimensional drawing



Dimensional drawing

Schematic diagram



M8 plug pin assignment, 8-pos., view of pin side

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Approvals



cUL Recognized

Approval ID: FILE E 221474

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	30 V	1.5 A	- 26	-



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Approval ID: FILE E 221474

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
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EAC

Approval ID: B.01687

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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