

# SACC-E-M8MS-3CON-M8/0,5 VPE500 - Device connector front mounting



1403200

<https://www.phoenixcontact.com/us/products/1403200>

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Device connector front mounting, 3-position, Pin, straight, M8, Front mounting, Individual wires, cable length: 0.5 m, 0.25 mm<sup>2</sup>, PVC litz wire

## Commercial data

Item number	1403200
Packing unit	500 pc
Minimum order quantity	500 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABQIAA
GTIN	4046356643115
Weight per piece (including packing)	11.5 g
Weight per piece (excluding packing)	8.47 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Mounting

Mounting type	Front mounting
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### Product properties

Product type	Circular connectors (device side)
Number of positions	3
No. of cable outlets	1
Shielded	no
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	PUR/PA 6.6
Material for screw connection	Brass, nickel-plated
Conductor material	Tin-plated Cu litz wires

### Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	4 A
Max. conductor resistance	80 $\Omega/\text{km}$

### Connection data

#### Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	0.25 mm <sup>2</sup>

### Connector

#### Connection 1

Head design	Pin
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Head cable outlet	straight
Head thread type	M8

## Cable/line

Cable length	0.5 m
Cable type	PVC litz wire
Wire diameter incl. insulation	1.5 mm $\pm$ 0.1 mm
Single wire, color	brown, blue, black
Cable cross section	0.25 mm <sup>2</sup>
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	$\geq 80 \Omega/\text{km}$
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

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

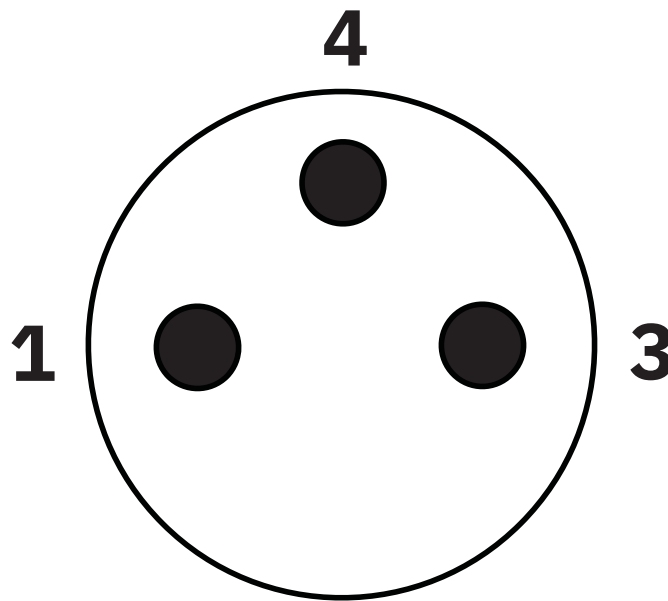
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## Drawings

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side


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## Approvals

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	<b>cUL Recognized</b> Approval ID: E221474-20070307			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	4 A	24	-

	<b>UL Recognized</b> Approval ID: E221474-20070307			
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	4 A	24	-

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## Classifications

### ECLASS

ECLASS-13.0	27440103
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### ETIM

ETIM 9.0	EC003570
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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	cc7e2b1d-db02-45d4-a990-4bb33bee1a41

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