

# Connectors - SACC-M 8MS-3QO-0,5-M - 1441024

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Sensor/actuator connector, male connector, straight, 3-pos., M8, metal knurl, maximum cable diameter of 5.0 mm

## Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 68 (PC-2011)
GTIN	 4 046356 515917
Custom tariff number	85366990
Country of origin	GERMANY

## Technical data

### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature (operation)	-25 °C ... 80 °C (Male connector / female connector)

### General characteristics

Standards/regulations	M8 connector IEC 61076-2-104
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/67
Torque	0.6 Nm (Pressure nut)
Torque	0.2 Nm (M8 knurl)
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	PA 6
Material, knurls	Nickel-plated brass

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## Technical data

### General characteristics

Connection method	Insulation displacement connection
Conductor cross section	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
AWG conductor cross section	24 ... 20
Wire diameter including insulation	0.75 mm ... 1.5 mm ±0.05 mm
Frequency of connections between conductors of the same cross section	10
External cable diameter	2.5 mm ... 5 mm ± 0.2 mm
Wire insulation material	PVC/PE/PP
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Status display	No
Stripping length of the sheath	40 mm

## Classifications

### eclass

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104

### etim

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062

### unspsc

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121413
UNSPSC 11	39121413
UNSPSC 12.01	39121413
UNSPSC 13.2	39121413

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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## Approvals

Ex Approvals

Approvals submitted

### Approval details

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	24-20
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	29 V

cUL Recognized	
mm <sup>2</sup> /AWG/kcmil	24-20
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	29 V

GOST	
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cULus Recognized	
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## Accessories

Accessories

Cable/conductor

Sensor/Actuator cable - SAC-3P-100,0-PUR/0,25 - 1501689



Cable ring, PUR halogen-free black, 3-pos., conductor colors: Brown/blue/black, cable length: 100 m

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### Accessories

Cable ring - SAC-3P-100,0-PUR/0,34 - 1501650



Cable ring, PUR halogen-free black, 3-pos., conductor colors: Brown/blue/black, cable length: 100 m

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### Protection and sealing elements

Sealing cap - PROT-M 8 FS-PA-CHAIN - 1430857



M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs

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### Tools

Torque screwdriver - TSD 02 SAC - 1208487



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

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Tool - SAC BIT M8-D10 - 1208461



Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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## Accessories

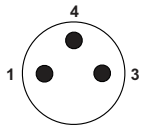
Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

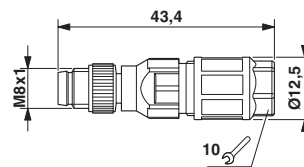
## Drawings

Schematic diagram



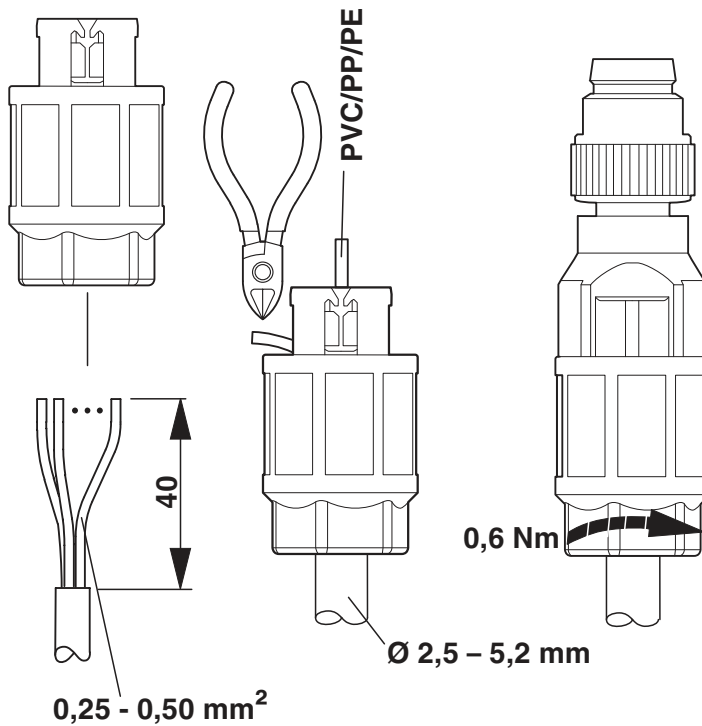
Pin assignment M8 plug, 3-pos., view male side

Dimensioned drawing



M8 x 1 male connector, straight version

Functional drawing





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