

## Sensor/actuator connector - SACC-M 8FS-3QO-0,25-M - 1441040

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Sensor/actuator connector, 3-position, Socket straight M8, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 2.5 mm ... 5 mm

### Product Features

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	0.1 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

External cable diameter	2.5 mm ... 5 mm $\pm 0.2$ mm
Stripping length of the sheath	40 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67

#### General

Rated current at 40 °C	4 A
Rated voltage	60 V
Number of positions	3
Insulation resistance	$\geq 100$ M $\Omega$

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## Technical data

### General

Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup>
Conductor cross section AWG	28 ... 24
Wire diameter including insulation	0.6 mm ... 1.25 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE / PP / rubber
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Insertion/withdrawal cycles	≥ 100
Torque	0.6 Nm (Pressure nut)
	0.2 Nm (M8 knurl)

### Material

Flammability rating according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	PA 6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Standards and Regulations

Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

### Classifications

#### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423

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## Classifications

### eCl@ss

eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

### ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	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 / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

UL Recognized	
mm <sup>2</sup> /AWG/kcmil	24

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## Approvals

Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	29 V

cUL Recognized

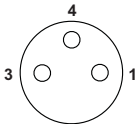
mm <sup>2</sup> /AWG/kcmil	24
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EAC

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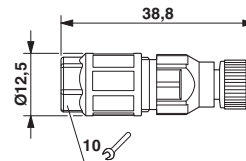
## Drawings

Schematic diagram



Pin assignment of M8 socket, 3-pos., view of pin side

Dimensional drawing



Socket M8 x 1, straight

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Functional drawing

