

Sensor/actuator connector - SACC-M 8FS-3QO-0,5-M - 1441066

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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 ± 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	≥ 100 M Ω

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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	0.25 mm ² ... 0.5 mm ²
Conductor cross section AWG	24 ... 20
Wire diameter including insulation	1.1 mm ... 1.55 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

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
mm ² /AWG/kcmil	24-20

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Approvals

Nominal current I _N	4 A
Nominal voltage U _N	29 V

cUL Recognized	
mm ² /AWG/kcmil	24-20
Nominal current I _N	4 A
Nominal voltage U _N	29 V

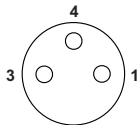
EAC

EAC

cULus Recognized

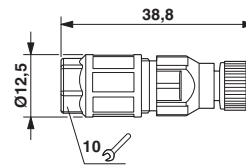
Drawings

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

