

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

Why buy this product

- ✓ 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
GTIN	 4 046356 515955
Weight per Piece (excluding packing)	6.6 g
Custom tariff number	85366990
Country of origin	Germany
Product key	BF2BCA

Technical data

Dimensions

External 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
Contact resistance	≤ 5 mΩ

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Technical data

General

Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Insulation displacement connection
Conductor cross section	0.25 mm ² ... 0.5 mm ²
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
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

Inflammability class 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

Classifications

eCl@ss

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
eCl@ss 8.0	27440104

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062

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Classifications

ETIM

ETIM 5.0	EC002062
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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 / GOST / cULus Recognized

Ex Approvals

Approvals submitted

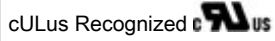
Approval details

UL Recognized 	
mm ² /AWG/kcmil	24-20
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

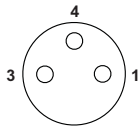
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Approvals



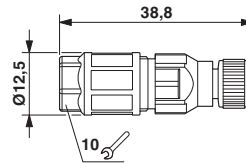
Drawings

Schematic diagram



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

Dimensioned drawing



Socket M8 x 1, straight

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Functional drawing

