

Connector - SACC-M 8MS-3QO-0,5-M - 1441024

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Connector, Universal, 3-position, Plug straight M8, Coding: A, Insulation displacement connection, knurl material: Nickel-plated brass, external cable diameter 2.5 mm ... 5 mm

Your advantages

- ✓ 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 515917
GTIN	4046356515917
Weight per Piece (excluding packing)	19.950 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Diameter housing	12.5 mm
Length	43.4 mm
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)
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Technical data

Ambient conditions

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

General

Note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Rated current at 40°C	4 A
Rated voltage	48 V AC 60 V DC
Number of positions	3
Color handle area	black
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Signal type/category	Universal
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	0.2 Nm (M8 knurl) 0.6 Nm (Pressure nut)

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	Nickel-plated brass

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Technical data

Material

Sealing material	NBR
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Standards and Regulations

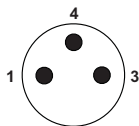
Standards/specifications	M8 connector IEC 61076-2-104
Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

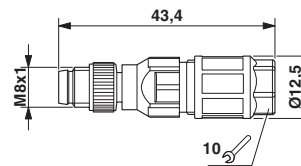
Drawings

Schematic diagram



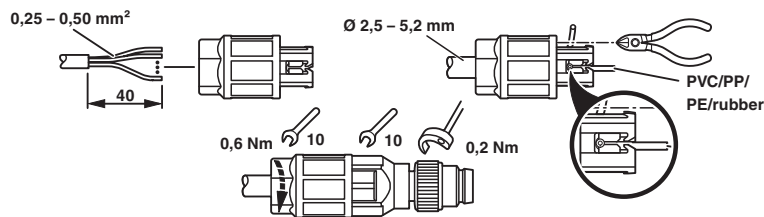
Pin assignment M8 plug, 3-pos., view male side

Dimensional drawing



M8 x 1 male plug, straight version

Functional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 4.0	27140800

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Classifications

eCl@ss

eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 6.0	EC002062

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121413
UNSPSC 11	39121413
UNSPSC 12.01	39121413
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

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

Ex Approvals

Approval details

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	29 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	24-20		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	29 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	24-20		

EAC		RU C- DE.AI30.B.01102
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EAC		EAC-Zulassung
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EAC		RU C- DE.BL08.B.00511
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cULus Recognized		
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Accessories

Accessories

Cable by the meter

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Accessories

Cable reel - SAC-3P-100,0-PUR/0,25 - 1501689



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 3-wire, color single wire: brown, blue, black, cable length: 100 m

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



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 3-wire, color single wire: brown, blue, black, cable length: 100 m

Protective cap

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

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



Screwdriver tools

Tool - SAC BIT M8-D10 - 1208461



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 10 mm, for 4 mm hexagonal drive

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

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Accessories

Torque tool

Torque screwdriver - TSD 02 SAC - 1208487



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

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



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