

## Connector - SACC-M12MS-5PL - 1424686

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Connector, Universal, 5-position, unshielded, Plug straight M12, Coding: A, Push-lock spring connection, knurl material: Plastic, external cable diameter 4 mm ... 8 mm

### Your advantages

- Easy and tool-free connection by means of Push-in Technology
- Conveniently connect stranded conductors, thanks to lever
- Reliable and quick connection of electric cables
- Flexible signal and data cabling
- Quick and easy installation with Push-in connection technology



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 376134
GTIN	4055626376134
Weight per Piece (excluding packing)	13.200 g
Custom tariff number	85366990
Country of origin	Germany
Sales Key	BF2CFA

### Technical data

#### Dimensions

Diameter housing	19 mm
Length	60 mm
External cable diameter	4 mm ... 8 mm
Stripping length of the sheath	24 mm
Stripping length of the individual wire	7 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
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### Technical data

#### Ambient conditions

	-40 °C ... 85 °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 (2 A when using 0.14 mm <sup>2</sup> conductors)
Rated voltage	48 V AC
	60 V DC
Number of positions	5
Color handle area	black
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Push-lock spring connection
Conductor cross section	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (without ferrule)
	0.08 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (with ferrule)
	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (solid)
Conductor cross section AWG	26 ... 18 (without ferrule)
	28 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.4 Nm (Connector with coupling sleeve)
	1.5 Nm (Pressure nut with coupling sleeve)
Assembly instructions	The wires can be connected both with ferrules and without ferrules

#### Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	PA 6.6
Material, knurls	Plastic
Sealing material	NBR

#### Pin assignment

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## Technical data

### Pin assignment

Contact   Color (signal designation)   Contact (optional)	
	1 = BN
	2 = WH
	3 = BU
	4 = BK
	5 = GY

### Standards and Regulations

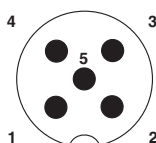
Standards/specifications	M12 connector IEC 61076-2-101
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### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

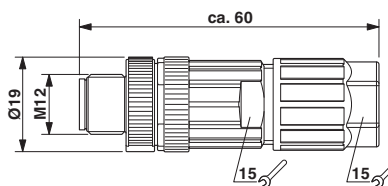
## Drawings

Schematic diagram



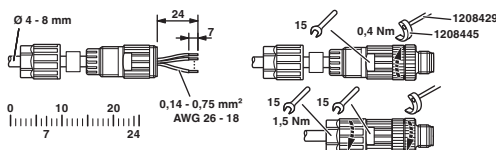
Pin assignment M12 male connector, 5-pos., A-coded, male side

Dimensional drawing



Plug, M12 x 1, straight

Functional drawing



## Classifications

### eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 5.1	27143423
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 9.0	27440102

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### Classifications

#### ETIM

ETIM 6.0	EC002635
ETIM 7.0	EC002635

#### UNSPSC

UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

### Approvals


#### Approvals


#### Approvals


EAC / UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

#### Approval details

EAC		RU C- DE.AI30.B.01102
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UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E221474
Nominal voltage UN	250 V		
Nominal current IN	4 A		
mm <sup>2</sup> /AWG/kcmil	26-18		

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E221474
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<https://www.phoenixcontact.com/gb/products/1424686>



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### Approvals

EAC		RU C- DE.BL08.B.00511
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cULus Listed	
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