

Connector - SACC-M12FR-4PL - 1424694

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Connector, Universal, 4-position, Socket angled M12, A-coded, Push-in 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
- ✓ Flexible cable outlets with angled connectors
- ✓ Easy and tool-free connection by means of Push-in Technology
- ✓ Quick and easy installation, thanks to Push-in connection technology

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 376219
GTIN	4055626376219

Technical data

Dimensions

Diameter housing	19 mm
Length	49 mm
External cable diameter	4 mm ... 8 mm
Stripping length of the sheath	31 mm
Stripping length of the individual wire	7 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67

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Technical data

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 ² conductors)
Rated voltage	250 V AC
	250 V DC
Number of positions	4
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-in connection
Conductor cross section	0.14 mm ² ... 0.75 mm ² (without ferrule)
	0.08 mm ² ... 0.5 mm ² (with ferrule)
	0.14 mm ² ... 0.75 mm ² (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 connector pin assignment can be rotated 45° to the cable outlet
	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

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

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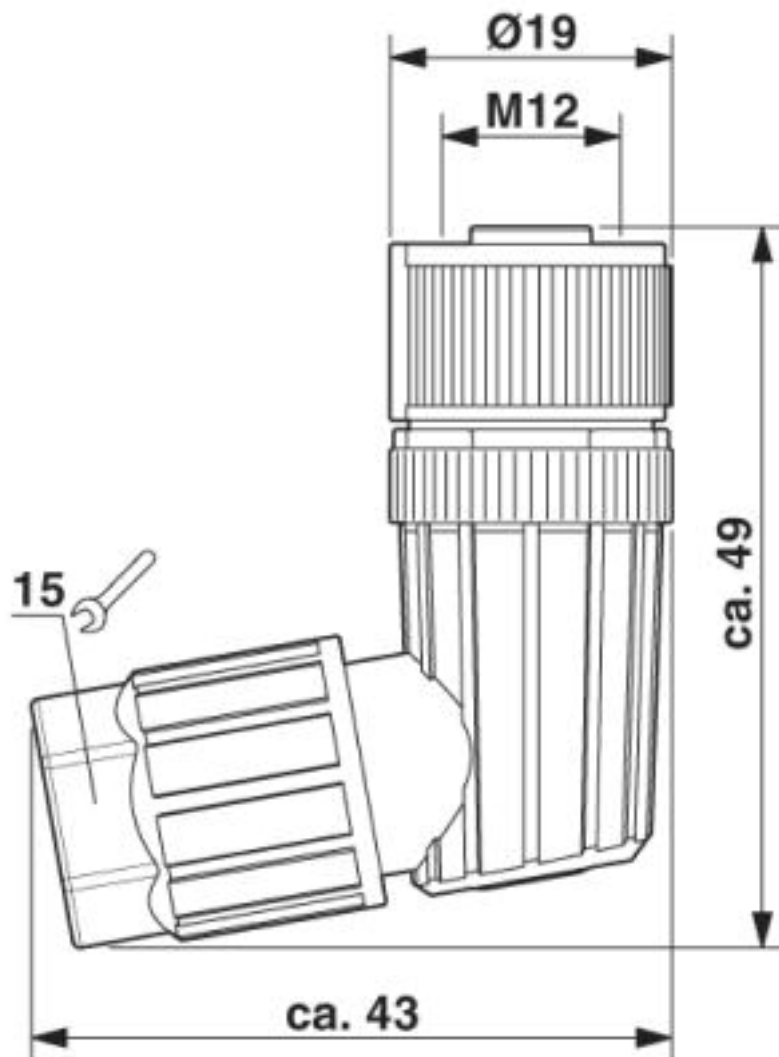
Technical data

Environmental Product Compliance

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

Drawings

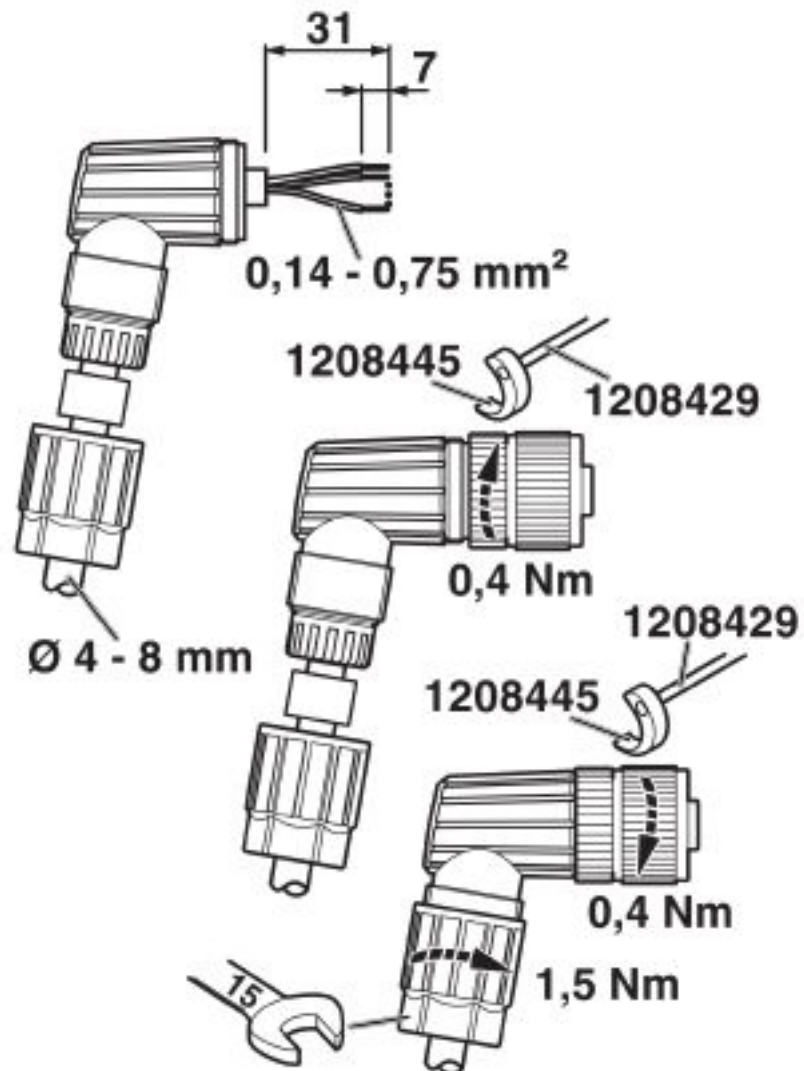
Dimensional drawing



M12 x 1 socket, angled

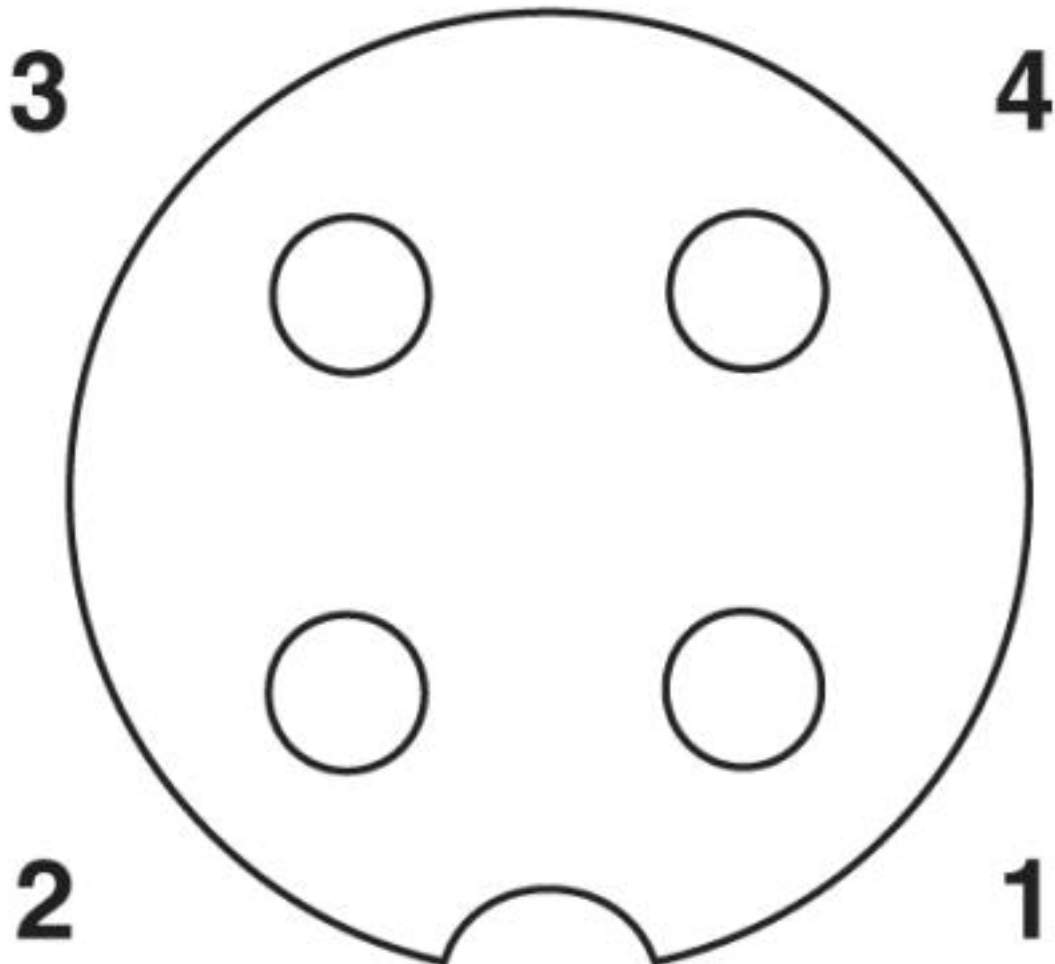
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Functional drawing



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Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

Approvals

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EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

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Approvals

EAC		RU C- DE.AI30.B.01102
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UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474
		Nominal voltage UN	250 V
		Nominal current IN	4 A
		mm²/AWG/kcmil	26-18

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474
		Nominal voltage UN	250 V
		Nominal current IN	4 A
		mm²/AWG/kcmil	26-18

cULus Listed	
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