Power connectors - SACC-M12MRS-3PECON-PG11-M - 1408985

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Power connectors, 4-position, Plug angled M12, S-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 mm, for AC current up to 12 A/630 V, Contact 4 leading

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Screw connection: proven connection technology for a large selection of different conductors
- High-performance: AC connectors for up to 12 A and 630 V AC
- Protection against incorrect connection using special S-coding

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 861564
GTIN	4046356861564

Technical data

Dimensions

Wrench size, union nut	19 mm
Diameter housing	20.2 mm
Length	44 mm
External cable diameter	8 mm ... 10 mm
Stripping length of the sheath	20 mm
Stripping length of the individual wire	5 mm

Ambient conditions

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

General

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Technical data

General

Note	Strip 21 mm off the cable sheath, strip 6 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Conductor length with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
	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	12 A (when using 1.5 mm² conductors)
	12 A (at 40 °C)
Rated voltage	630 V AC
Number of positions	4
Color handle area	black
Insulation resistance	> 10 GΩ
Coding	S power
Standards/regulations	M12 connector IEC 61076-2-111
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.75 mm² ... 1.5 mm² (without ferrule)
	0.75 mm² ... 1.5 mm² (with ferrule)
	0.75 mm² ... 1.5 mm² (solid)
Conductor cross section AWG	18 ... 16 (without ferrule)
	18 ... 16 (with ferrule)
Insertion/withdrawal cycles	> 100
Torque	0.4 Nm (M12 knurl)
	1.5 Nm ... 2 Nm (Pressure screw with sleeve housing)
	0.4 Nm (Screw plug insert with sleeve housing as far it will go)
	0.2 Nm (Screw terminal blocks)
Assembly instructions	The wires can be connected both with ferrules and without ferrules
	The connector pin assignment can be rotated 90° to the cable outlet

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR (Cable clamping)

Standards and Regulations

Standard designation	M12 connector

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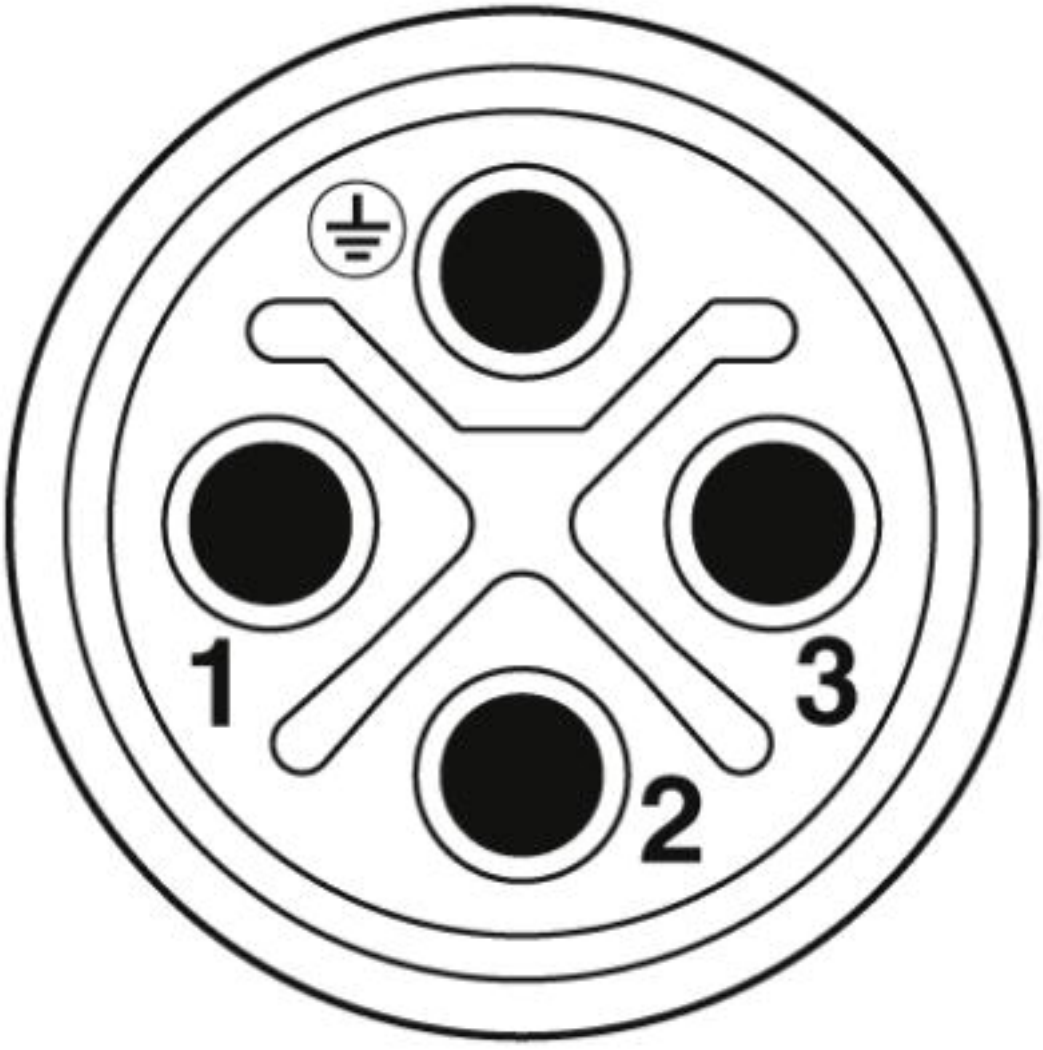
Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Schematic diagram



M12 plug pin assignment, 4-pos., S-coded, plug side view

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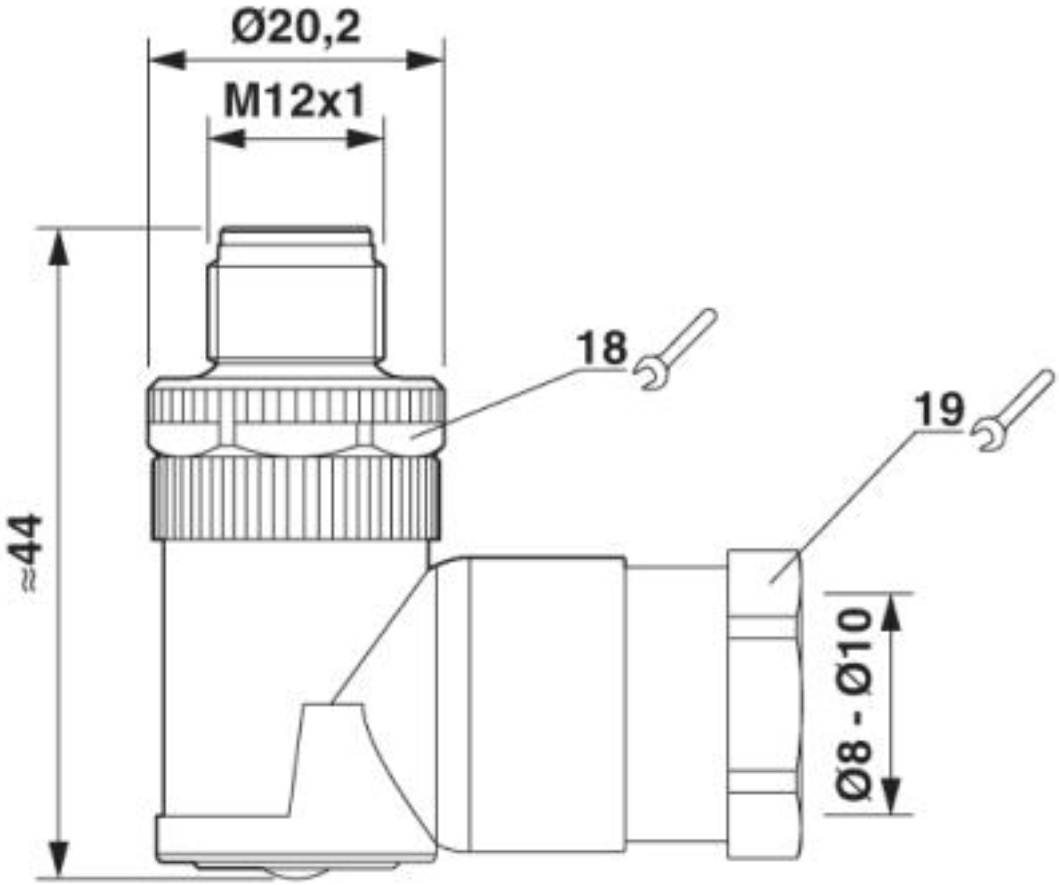
Dimensional drawing



M12 x 1 male plug, angled

Approvals

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UL Recognized / cUL Recognized / 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 221474

Nominal voltage UN	600 V
Nominal current IN	12 A
mm²/AWG/kcmil	16

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474

Nominal voltage UN	600 V
Nominal current IN	12 A
mm²/AWG/kcmil	16

EAC	RU C-DE.AI30.B.01102

cULus Recognized

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