

Panel feed-through - SACC-E-M12MS-5PL-M20 - 1139804

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Panel feed-through, Universal, 5-position, unshielded, Plug straight M12, Coding: A, Front mounting, M20 x 1,5, Push-lock connection, knurl material: Nickel-plated brass, Flat nut included

Your advantages

- ✓ Easy and tool-free connection with Push-Lock connection
- ✓ Easy assignment of individual conductors with color coding and numerical marking of contact holder levers
- ✓ Conveniently connect stranded conductors, thanks to lever
- ✓ Reliable and quick connection of electric cables



Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 223700
GTIN	4063151223700

Technical data

Dimensions

Diameter housing	29 mm
Length	21 mm
Stripping length of the individual wire	7 mm

Ambient conditions

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

General

	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	4 A (2 A when using 0.14 mm ² conductors)
Rated voltage	48 V AC 60 V DC
Number of positions	5
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 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	2 Nm (Installation-side)
Mounting type	Front mounting M20 x 1,5
Assembly instructions	The wires can be connected both with ferrules and without ferrules
Thread type	M20 x 1,5

Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material, knurls	Nickel-plated brass
Additional material specifications	PA 6 (Actuation lever)

Standards and Regulations

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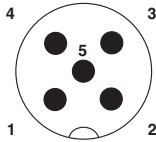
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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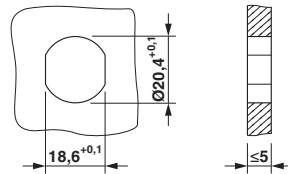
Drawings

Schematic diagram



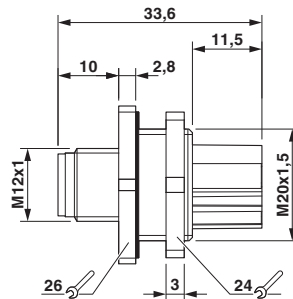
Pin assignment M12 male connector, 5-pos., A-coded, male side

Drilling diagram



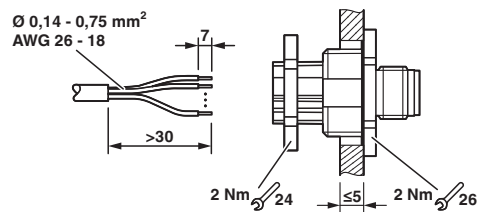
Housing cutout for M20 fastening thread, mounting panel with thread

Dimensional drawing



M12 flush-type plug

Functional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440109
eCl@ss 11.0	27440109
eCl@ss 9.0	27440103

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

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Approvals

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474
Nominal voltage UN		48 V	
Nominal current IN		4 A	
mm ² /AWG/kcmil		26-18	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474
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cULus Listed	
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Accessories

Accessories

Cable by the meter

Cable reel - SAC-5P-100,0-PUR/0,34 - 1501676



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 5-wire, color single wire: brown, white, blue, black, green-yellow, cable length: 100 m

Circular connector (cable-side)

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Accessories

Connector - SACC-M12FS-5PL M - 1424652



Connector, Universal, 5-position, unshielded, Socket straight M12, Coding: A, Push-lock spring connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

Connector - SACC-M12FR-5PL M - 1424653



Connector, Universal, 5-position, unshielded, Socket angled M12, Coding: A, Push-lock spring connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

Crimping tool

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 6 mm², unlockable pressure lock, lateral entry

Ferrule

Ferrule - AI 0,25- 6 YE - 3203024



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: yellow

Ferrule - A 0,25- 7 - 3202478



Ferrule, length: 7 mm, color: silver

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Accessories

Ferrule - A 0,34- 7 - 3009202



Ferrule, length: 7 mm, color: silver

Ferrule - A 0,5 - 6 - 3200218



Ferrule, length: 6 mm, color: silver

Ferrule - AI 0,5 - 6 WH - 3200687



Ferrule, sleeve length: 6 mm, length: 12 mm, color: white

Protective cap

Sealing cap - PROT-M12 FS - 1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Sealing cap - PROT-M12 FS-M - 1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Stripping tool

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Accessories

Stripping tool - WIREFOX 2,5 - 1212368



Stripping tool, for conductors and cables with a conductor cross section from 0.08 to 2.5 mm, self-adjusting, stripping length adjustable up to 15 mm, cutting capacity up to 6 mm² stranded/1.5 mm² solid

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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