

Sensor/actuator cable - SAC-12P-MS/ 0,5-PVC/FS SCO - 1003440

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Sensor/actuator cable, 12-position, PVC, black RAL 9005, cable length: 0.5 m

Your advantages

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Our standard: robust halogen-free PUR cable
- ✓ Save space – with high-pos. connectors



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 055626 476339
GTIN	4055626476339
Weight per Piece (excluding packing)	59.940 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	0.5 m
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General

Rated current at 40°C	1.5 A
Rated voltage	30 V AC
	30 V DC
Number of positions	12
Insulation resistance	≥ 100 MΩ
Coding	A-coded
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3

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Technical data

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

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

Cable

Conductor cross section	12x 0.14 mm ² (Signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 mm (Signal line)
Wire colors	White-brown, green-yellow, gray-pink, blue-red, black-violet, gray/pink-red/blue
Overall twist	12 wires twisted in layers
External sheath, color	black RAL 9005
External cable diameter D	5.8 mm
Smallest bending radius, fixed installation	29 mm
Smallest bending radius, movable installation	87 mm
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	> 10 MΩ*km
Conductor resistance	≤ 142 Ω/km (at 20 °C)
Nominal voltage, cable	250 V
Test voltage Core/Core	1500 V AC
Flame resistance	DIN EN 50265-2-1
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

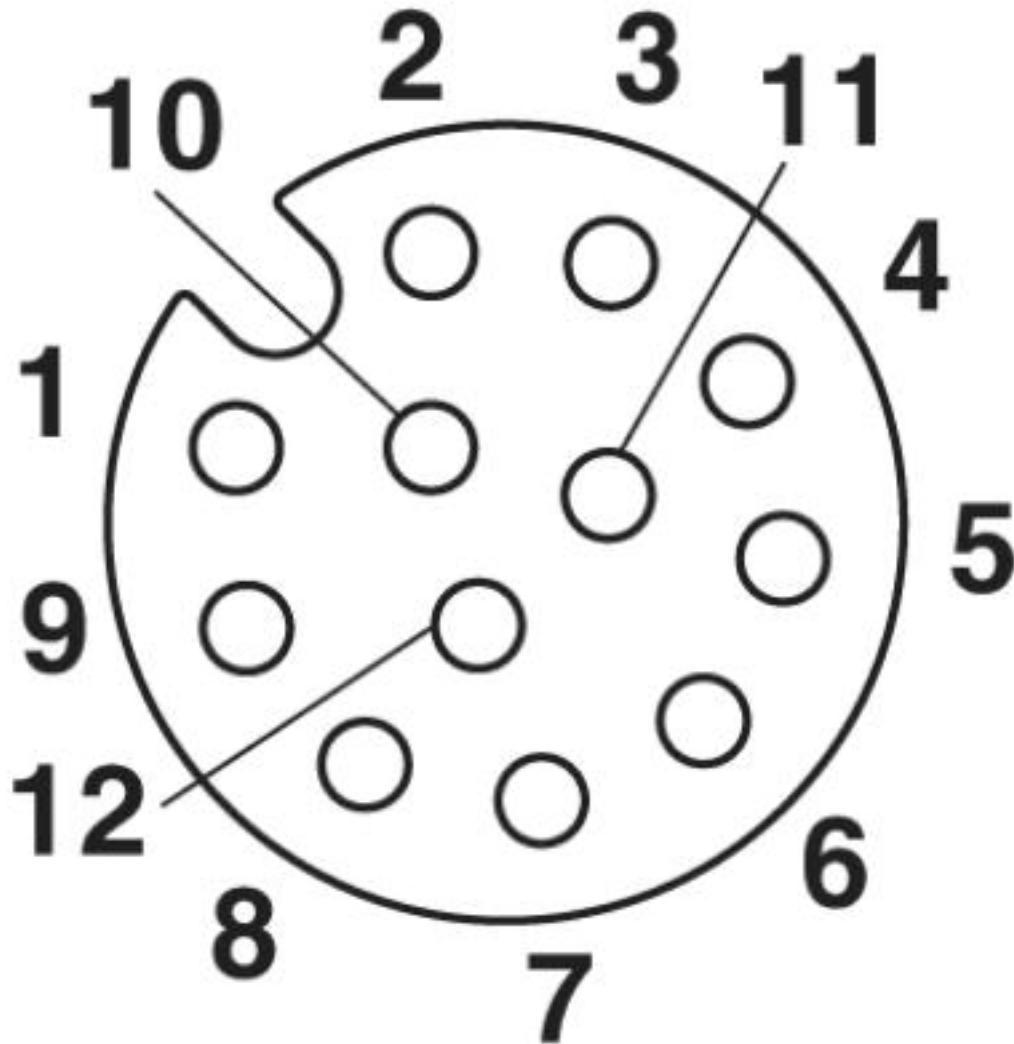
Environmental Product Compliance

	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

Sensor/actuator cable - SAC-12P-MS/ 0,5-PVC/FS SCO - 1003440

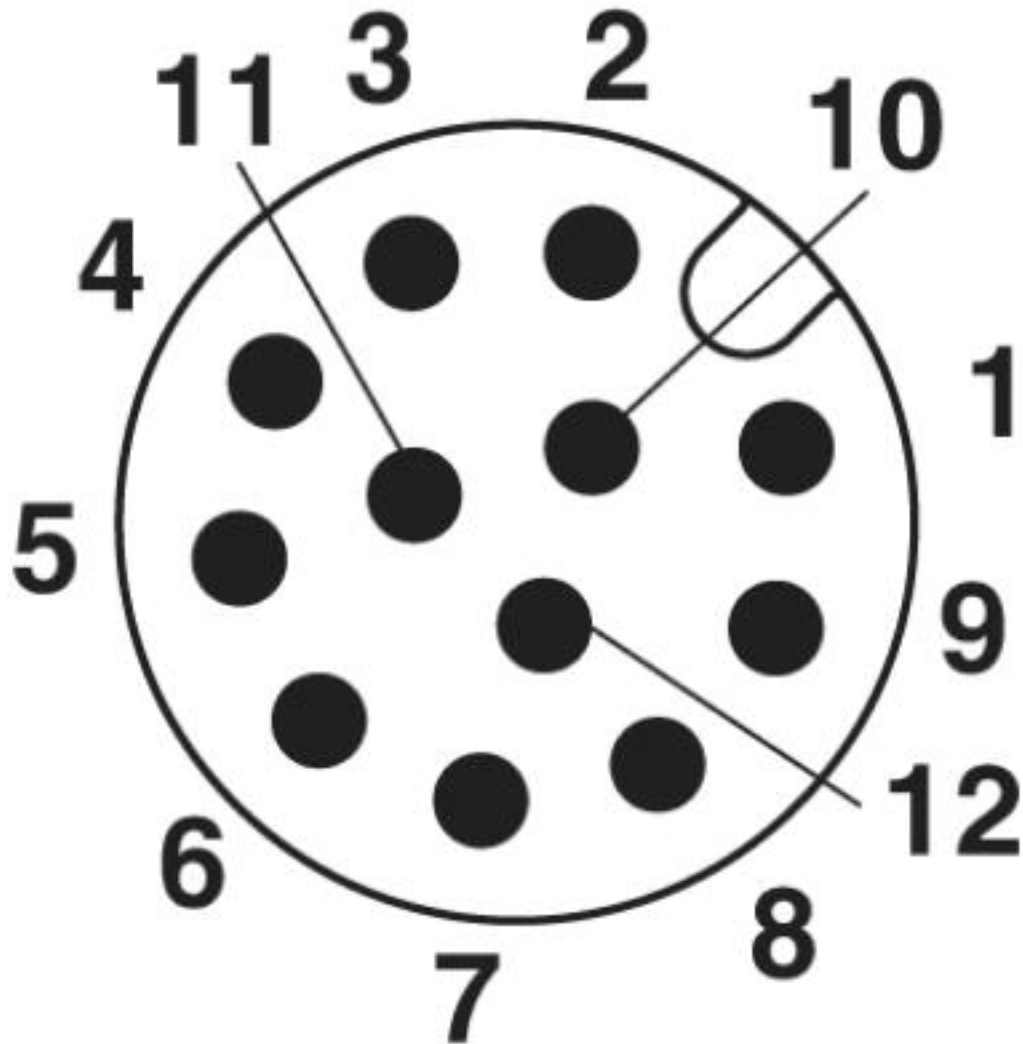
Schematic diagram



Pin assignment M12, 12-pos., female side view

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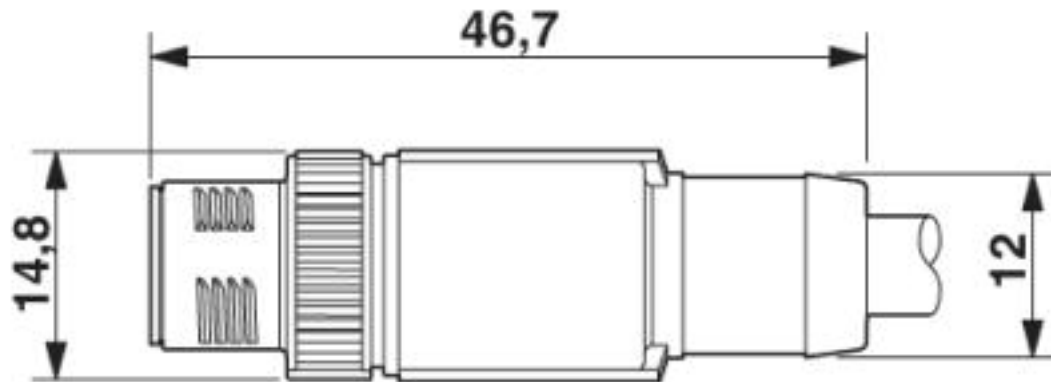
Schematic diagram



Pin assignment M12 male connector, 12-pos., male side view

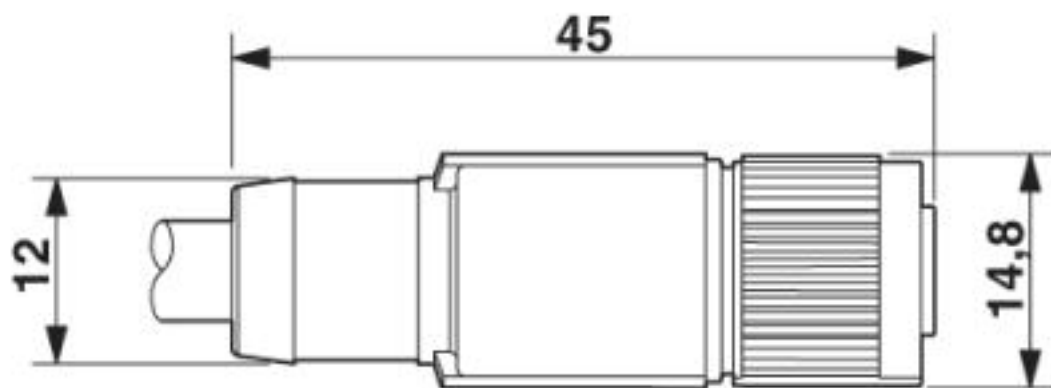
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Dimensional drawing



M12 SPEEDCON plug, straight

Dimensional drawing



M12-SPEEDCON socket, straight

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Cable cross section



PVC black [PVC]

Classifications

eCl@ss

eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

