

## SAC-4P-M12MSD/16,0-930/M12FSD

This product has been replaced by a newer version.


Order No.: 1560785



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1560785>

Bus system cable, 4-position, PUR, halogen-free, water blue RAL 5021, shielded, Plug, straight M12, D-coded, on Socket, straight M12, D-coded, Cable length: 16 m

### Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	D117
Pack	1 pcs.
Customs tariff	85444290

### Product notes

WEEE/RoHS-compliant since:  
02/14/2007



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### Technical data

#### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	4

Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	16 m

#### General characteristics

Coding	D - data
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Status display	No

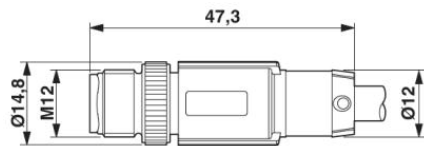
#### Conductor data

Cable type	Ethernet
Conductor cross section	$0.25 \text{ mm}^2$
AWG signal line	24
Conductor structure signal line	7x 0.20 mm
Core diameter including insulation	1.4 mm
External cable diameter	8.00 mm
Wire colors	White-green, white-orange
External sheath, color	water blue RAL 5021
Insulation resistance	$5 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$84 \text{ m}\Omega/\text{m}$
Working capacitance	42.5 pF
Wave impedance	$100 \Omega \pm 5\%$
Signal speed	0.72 c
Signal runtime	46 ns/m
Shield attenuation	60 dB (Up to 1000 MHz)
Interference suppression	90 dB (Up to 1000 MHz)
Nominal voltage, conductor	125 V
Test voltage, conductor	1000 V

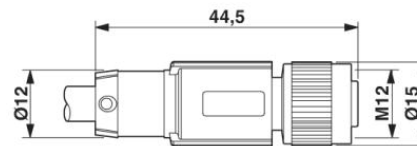
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 cores with 2 fillers to the core
Shielding	Braided shielding made of galvanized copper wires
Optical shield covering	65 %
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Cable weight	54 kg/km
Smallest bending radius, fixed installation	min. 40 mm
Smallest bending radius, movable installation	min. 40 mm

### Diagrams/Drawings

#### Dimensioned drawing

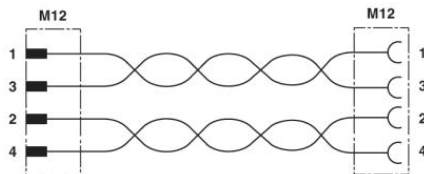


M12 x 1 male connector, straight, shielded



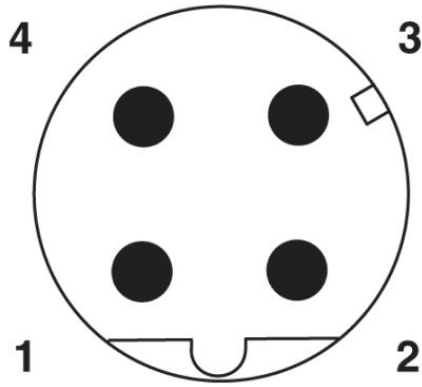
M12 x 1 female connector, straight, shielded

#### Circuit diagram

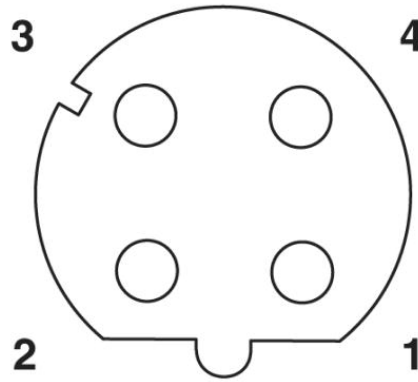


Schematic diagram

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Pin assignment M12 male connector, 4-pos., D-coded, male side



Pin assignment M12 female connector, 4-pos., D-coded, female side

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