

SAC-4P-M12MSD/ 2,0-930/M12MSD

This product has been replaced by a newer version.

Order No.: 1521533



Bus system cable, 4-position, PUR, halogen-free, water blue RAL 5021, shielded, Plug, straight M12, D-coded, on Plug, straight M12, D-coded, Cable length: 2 m

Ethernet

Commercial data

EAN	 4 017918 968632
Note	Made-to-order
Pack	1
Customs tariff	85444290
Catalog page information	Page 381 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
2005-08-01



Technical data

General data

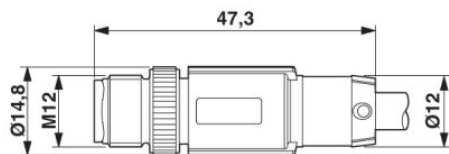
Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$

Length of cable	2 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)
Status display	No
Conductor data	
Cable type	Ethernet
Cable type (abbreviation)	930
Conductor cross section	0.25 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 GΩ*km
Conductor resistance	84 mΩ/m
Working capacitance	42.5 pF
Wave impedance	100 Ω ±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

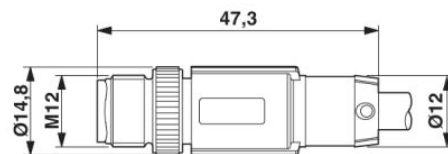
Overall twist	2 cores with 2 fillers to the core
Shielding	Braided shielding made of galvanized copper wires
Optical shield covering	65 %
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Cable weight	54 kg/km
Smallest bending radius, fixed installation	min. 40 mm
Smallest bending radius, movable installation	min. 40 mm
Ambient temperature (operation)	-20 °C ... 70 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

Drawings

Dimensioned drawing

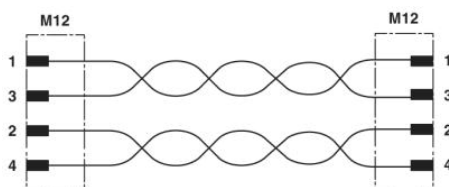


M12 x 1 male connector, straight, shielded



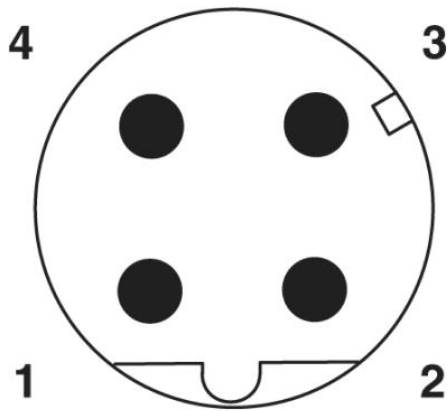
M12 x 1 male connector, straight, shielded

Circuit diagram

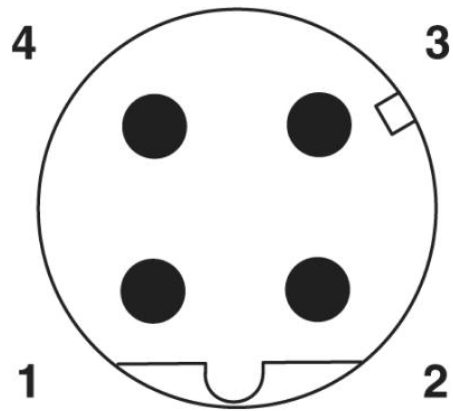


Contact assignment of M12 connector/socket

Schematic diagram



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



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