

SAC-4P-M12MS/ 3,0-511/M12FR FB

Order No.: 1552696



Sensor/Actuator cable, 4-position, Special mixture on PVC base, Black RAL 9005, Plug, straight M12, A-coded, on Socket, angled M12, A-coded, Cable length: 3 m

Commercial data

EAN	 4 046356 156035
Note	Made-to-order
Pack	1
Customs tariff	85444290
Catalog page information	Page 147 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2006-09-04



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	3 m

Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)
---------------------------------	--

General characteristics

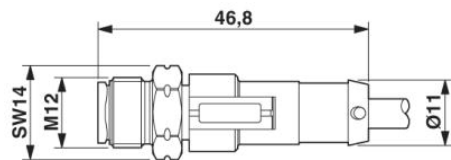
Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	High-grade steel
Sealing material	NBR
Status display	No

Conductor data

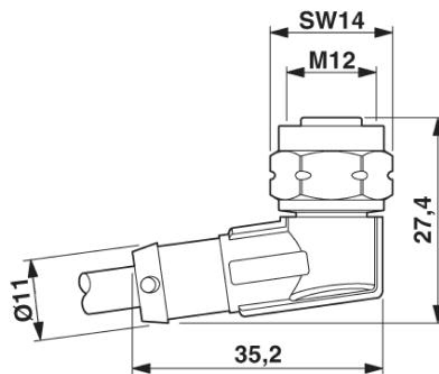
Cable type	PVC black FDA
Cable type (abbreviation)	511
Cable abbreviation	LiYY-HF
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.05 mm
External cable diameter	5.20 mm
Wire colors	Black, brown, blue, white
External sheath, color	Black RAL 9005
Nominal voltage, conductor	300 V
Test voltage, conductor	1500 V
Overall twist	4 wires, twisted
Outer sheath, material	Special mixture on PVC base
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Special properties	FDA compliant

Drawings

Dimensioned drawing

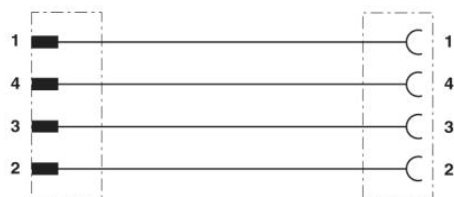


M12 x 1 male connector, straight



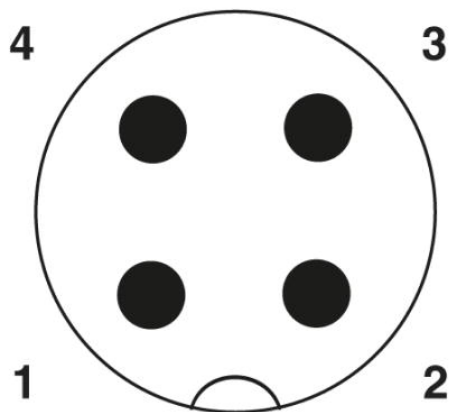
M12 x 1 female connector, angled

Circuit diagram

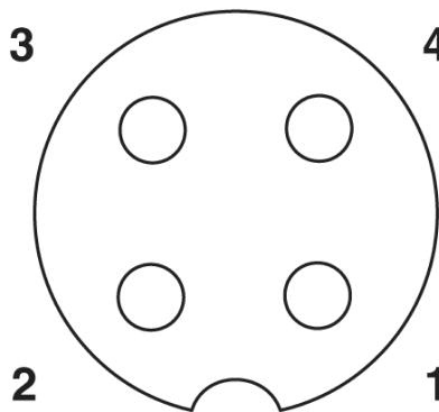


Contact assignment of the M12 plug and the M12 socket

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side



Pin assignment M12 socket, 4-pos., A-coded, view female side