

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

Order No.: 1552557



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

Commercial data

EAN	 4 046356 155939
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	24 V
Number of positions	4
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	3 m

Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

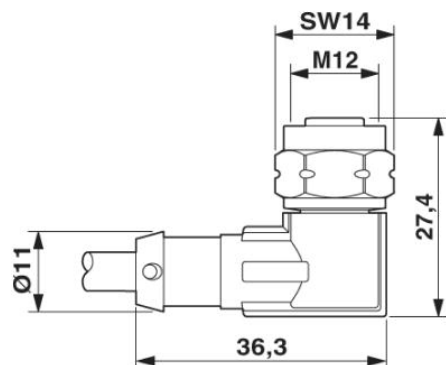
Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	High-grade steel
Sealing material	NBR
Status display	3 LEDs

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

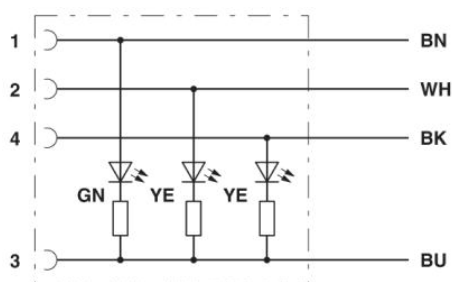
Drawings

Dimensioned drawing



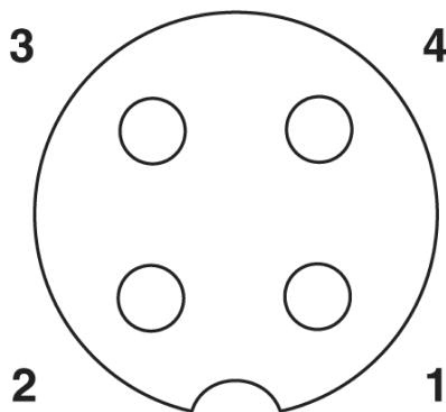
Socket M12 x 1, angled, with LED

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



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