

Sensor/actuator cable - SAC-4P-10,0-CEI/M12FR-2L DS - 1575521

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Sensor/actuator cable, 4-position, PVC, gray RAL 7035, free cable end, on Socket angled M12, A-coded, with 2 LEDs, cable length: 10 m

RoHS

Key Commercial Data

Packing unit	10 pc
Minimum order quantity	50 pc
GTIN	 4 046356 434911
GTIN	4046356434911

Technical data

Dimensions

Length of cable	10 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	24 V
	24 V DC
Number of positions	4
Coding	A - standard
Status display	2 LEDs
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

Material

Flammability rating according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF

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Technical data

Material

Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

Flammability rating according to UL 94	HB
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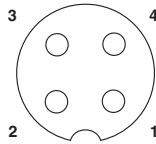
Cable

Cable type	PVC gray
Cable type (abbreviation)	CEI
Cable abbreviation	LiYY
Conductor cross section	4x 0.25 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm (VDE 0295 Class 6)
Core diameter including insulation	1.4 mm ±0.05 mm
Wire colors	brown, white, blue, black
External sheath, color	gray RAL 7035
External cable diameter D	5 mm +0.1 mm (CEI 20/11 RZ)
Minimum bending radius, fixed installation	10 x D
Outer sheath, material	PVC
Material conductor insulation	PVC (CEI 20/11 R2)
Conductor material	Bare Cu litz wires
Conductor resistance	< 74 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage Core/Core	3000 V (rms)
Flame resistance	in accordance with CEI 20-22II
	according to IEC 332-3
Resistance to oil	in accordance with ISO 6722
Other resistance	Resistance to low temperatures acc. to EN 60811-1-4
	Resistance to high temperatures in accordance with ISO 6722 (3000 h)
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

Drawings

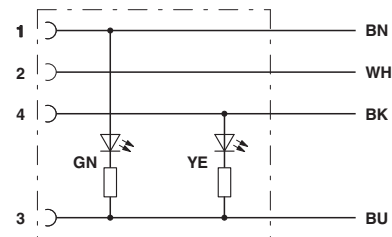
Sensor/actuator cable - SAC-4P-10,0-CEI/M12FR-2L DS - 1575521

Schematic diagram



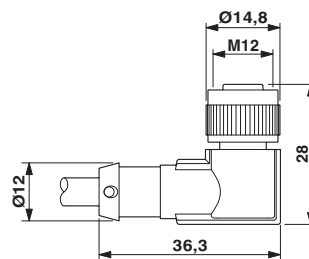
Pin assignment M12 socket, 4-pos., A-coded, view female side

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Dimensional drawing



M12 x 1 socket, angled

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