


Sensor/actuator cable - SAC-5P-10,0-150/M12FR-3L VW - 1550591

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Sensor/actuator cable, 5-position, PUR halogen-free, irradiated, orange RAL 2003, free cable end, on Socket angled M12, A-coded, with 3 LEDs, cable length: 10 m, Customer-specific version

Key Commercial Data

Packing unit	5 pc
Minimum order quantity	50 pc
GTIN	 4 046356 155663
GTIN	4046356155663

Technical data

Dimensions

Length of cable	10 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	24 V
	24 V DC
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	3 LEDs
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

Material

Flammability rating according to UL 94	HB
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Technical data

Material

Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
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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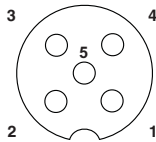
Cable

Cable type	PUR irradiated halogen-free orange
Cable type (abbreviation)	151
Cable abbreviation	D12YSL11X-JB
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.05 mm ±0.05 mm
Wire colors	brown, white, blue, black, green-yellow
Overall twist	5 cores, twisted
External sheath, color	orange RAL 2003
External cable diameter D	5.9 mm ±0.2 mm
Smallest bending radius, fixed installation	min. 25 mm
Smallest bending radius, movable installation	min. 40 mm
Number of bending cycles	5000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Conductor resistance	≤ 57 Ω/km
Nominal voltage, cable	250 V (AC)
Test voltage, cable	2000 V (50 Hz, 5 minutes)
Special properties	Irradiated
Ambient temperature (operation)	-50 °C ... 105 °C (cable, fixed installation)
	-40 °C ... 105 °C (cable, flexible installation)

Drawings

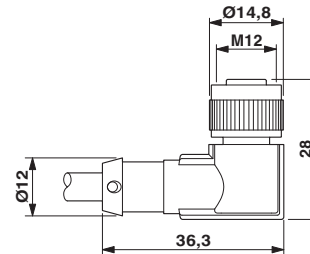
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Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded,
socket side view

Dimensional drawing



M12 x 1 socket, angled

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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