

Sensor/Actuator cable - SAC-3P-MICFS/ 5,0-PUR - 1527016

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Sensor/Actuator cable, 3-position, PUR/PVC, black-gray RAL 7021, free cable end, on Socket straight 1/2"-20UNF, C-coded, Cable length: 5 m

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	25 STK
GTIN	 4 046356 071840
GTIN	4046356071840
Weight per Piece (excluding packing)	200.000 g
Custom tariff number	85444290
Country of origin	United States

Technical data

Dimensions

Length of cable	5 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	250 V

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Technical data

General

Number of positions	3
Insulation resistance	$\geq 10 \text{ M}\Omega$
Coding	C - dual keyway
Status display	No
Overvoltage category	II
Degree of pollution	3

Material

Flammability rating according to UL 94	HB
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/PVC black
Cable type (abbreviation)	350
Cable abbreviation	LiYY-11Y
UL AWM style	20549
Conductor cross section	0.34 mm^2
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	$1.5 \text{ mm} \pm 0.05 \text{ mm}$
Thickness, insulation	approx. 0.3 mm (Core insulation)
	$\geq 0.38 \text{ mm}$ (Outer cable sheath)
Wire colors	Green, red-black, red-white
External sheath, color	black-gray RAL 7021
External cable diameter D	$5.2 \text{ mm} \pm 0.2 \text{ mm}$
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	52 mm
Number of bending cycles	2000000
Bending radius	52 mm
Traversing path	5 m
Traversing rate	3 m/s

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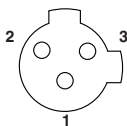
Technical data

Cable

Cable weight	37 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≤ 100 MΩ*km (at 20 °C)
Conductor resistance	max. 58 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 3000 V
Flame resistance	in accordance with DIN UL-Style 20549

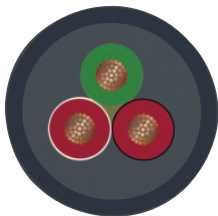
Drawings

Schematic diagram



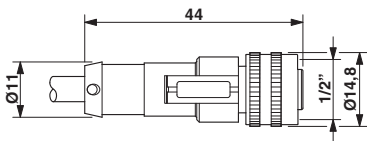
Pin assignment 1/2"-20UNF socket, 2-pos., view female side

Cable cross section



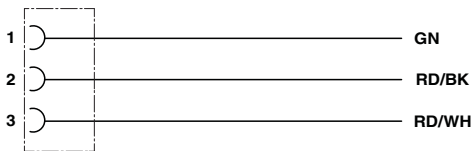
PUR/PVC black [350]

Dimensional drawing



1/2"-20UNF socket, straight

Circuit diagram



Contact assignment of 1/2" UNF plugs / sockets

Approvals

Approvals

Sensor/Actuator cable - SAC-3P-MICFS/ 5,0-PUR - 1527016

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal current IN		4 A	
Nominal voltage UN		300 V	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal current IN		4 A	
Nominal voltage UN		300 V	

cULus Listed			
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