

Sensor/Actuator cable - SAC-3P-MICFS/10,0-PUR - 1527029


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/Actuator cable, 3-position, PUR/PVC, black-gray RAL 7021, free cable end, on Socket straight 1/2"-20UNF, C-coded, Cable length: 10 m



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	25 STK
GTIN	 4 046356 071857
GTIN	4046356071857
Weight per Piece (excluding packing)	400.000 g
Custom tariff number	85444290
Country of origin	United States

Technical data

Dimensions

Length of cable	10 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

Sensor/Actuator cable - SAC-3P-MICFS/10,0-PUR - 1527029

Technical data

General

Number of positions	3
Insulation resistance	≥ 10 MΩ
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
--	----

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 mm ±0.05 mm
Thickness, insulation	approx. 0.3 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
Wire colors	Green, red-black, red-white
External sheath, color	black-gray RAL 7021
External cable diameter D	5.2 mm ±0.2 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

Sensor/Actuator cable - SAC-3P-MICFS/10,0-PUR - 1527029

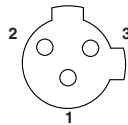
Technical data

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

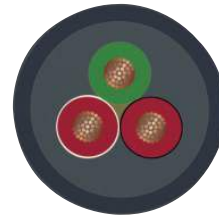
Drawings

Schematic diagram



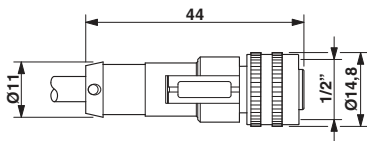
Pin assignment 1/2"-20UNF socket, 2-pos., view female side

Cable cross section



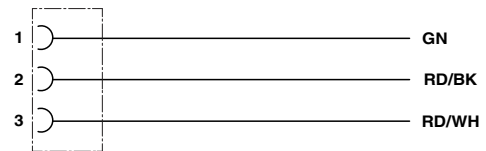
PUR/PVC black [350]

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/10,0-PUR - 1527029


Approvals


Approvals


UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

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

cULus Listed			
--------------	---	--	--