

Sensor/Actuator cable - SAC-3P-M 8MS/0,15-280/M 8FS BK - 1400429

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Sensor/Actuator cable, 3-position, PUR halogen-free, gray RAL 7001, Plug straight M8, on Socket straight M8, Cable length: 0.15 m



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 496988
GTIN	4046356496988
Custom tariff number	85444290
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	0.15 m
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Ambient conditions

Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Insulation resistance	≥ 100 MΩ
Coding	A - standard
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

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Technical data

Material

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

Standards and Regulations

Flammability rating according to UL 94	HB
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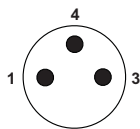
Cable

Cable type	PUR halogen-free gray
Cable type (abbreviation)	280
Cable abbreviation	Li9Y11Y
UL AWM style	20549
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
Thickness, insulation	≥ 0.21 mm (Core insulation)
	approx. 0.9 mm (Outer cable sheath)
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	silver-gray RAL 7001
External cable diameter D	4.4 mm ±0.15 mm
Smallest bending radius, fixed installation	44 mm
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4000000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s
Cable weight	24 kg/km
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Conductor resistance	max. 78 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 3000 V
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815

Drawings

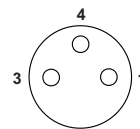
Sensor/Actuator cable - SAC-3P-M 8MS/0,15-280/M 8FS BK - 1400429

Schematic diagram



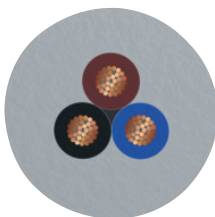
Pin assignment M8 plug, 3-pos., view male side

Schematic diagram



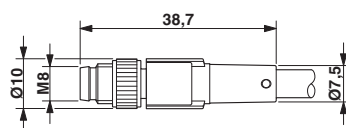
Pin assignment M8 socket, 3-pos., view female side

Cable cross section



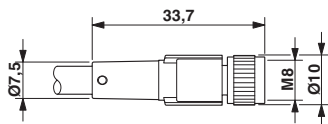
PUR halogen-free gray [280]

Dimensional drawing



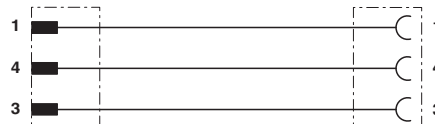
M8 x 1 male plug, straight version

Dimensional drawing



Socket M8 x 1, straight

Circuit diagram



Contact assignment of M8 plugs/sockets

Approvals

Approvals

Approvals


UL Listed / cUL Listed / cULus Listed


Ex Approvals


Approval details

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Approvals

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	125 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	125 V

cULus Listed 	
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