SAC-3P-M8Y/2X1,5-PUR/M 8FR-2L - Sensor/actuator cable



1458761

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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M8, coding: A, on Socket angled M8, coding: A, with 2 LEDs and Socket angled M8, coding: A, with 2 LEDs, cable length: 1.5 m

Commercial data

Item number	1458761
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF1BOA
Catalog page	Page 248 (C-2-2019)
GTIN	4046356638111
Weight per piece (including packing)	72.1 g
Weight per piece (excluding packing)	72.1 g
Country of origin	PL



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Technical data

Product properties

Product type	Distributor with cable
Number of positions	3
Application	Standard
No. of cable outlets	2
Shielded	no
Coding	A
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3
Connection data	
Tightening torque	0.2 Nm (M8 knurl)
Material specifications	
Flammability rating according to UL 94	НВ
Seal material	NBR

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Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	24 V DC
Nominal current I _N	4 A

Signaling

Status display	2 LEDs
Status display present	Yes

Connector

Connection 1	
Туре	Plug straight M8
Coding type	A
Connection 2	
Туре	Socket angled M8
Coding type	A
Connection 3	



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	Socket angled M8
Coding type	A
e/line	
Cable length	1.5 m
JR halogen-free black [PUR] Dimensional drawing	
Cable weight	18 kg/km
UL AWM Style	20549 / 10493 (80°C/300 V)
Number of positions	3
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	32x 0.10 mm
AWG signal line	24
Conductor cross section	3x 0.25 mm² (Signal line)
Wire diameter incl. insulation	1.17 mm ±0.02 mm
External cable diameter	3.60 mm ±0.15 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	brown, blue, black
Thickness, insulation	≥ 0.21 mm (Core insulation)
Thickness, outer sheath	approx. 0.50 mm
Overall twist	3 wires, twisted
Length of twist, overall twist	40 mm
Max. conductor resistance	≤ 78 Ω/km (at 20 °C)
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Smallest bending radius, fixed installation	18 mm
Smallest bending radius, movable installation	36 mm
Max. bending cycles	1000000
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)



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Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	hydrolysis and microbe resistant
	Highly resistant to acids, alkaline solutions and solvents
	Resistant to salt water
	partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C 80 °C (cable, fixed installation)
	-25 °C 80 °C (Cable, flexible installation)

Environmental and real-life conditions

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

Standards and regulations

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Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104



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Classifications

ECLASS

ECLASS-11.0	27060313
ECLASS-12.0	27060313
ECLASS-13.0	27060313

ETIM

	ETIM 9.0	EC001855	
UNSPSC			
	UNSPSC 21.0	26121600	

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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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