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Sensor/actuator cable, 8-position, PUR halogen-free, black-gray RAL 7021, Plug straight M8, on free cable end, cable length: 1.5 m

Your advantages

- Easy and safe: 100% electrically tested plug-in components
- ☑ Our standard: robust halogen-free PUR cable
- Save space with high-pos. connectors

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 680912
GTIN	4046356680912

Technical data

Dimensions

Length of cable	1.5 m
Ambient conditions	

Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
Degree of protection	IP65/IP67

General

Rated current at 40°C	1.5 A
Rated voltage	30 V AC
	30 V DC
Number of positions	8
Insulation resistance	\geq 100 M Ω
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104



Technical data

General

Status display	No
Protective circuit/component	unwired
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100
Torque	0.2 Nm (M8 connectors)

Material

Flammability rating according to UL 94	НВ
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

Standards and Regulations

Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Flammability rating according to UL 94	НВ

Cable

Li9Y11Y
20549
8x 0.14 mm² (Signal line)
26
18x 0.10 mm
1 mm ±0.02 mm (Signal line)
≥ 0.21 mm (Signal line)
\geq 0.38 mm (Outer cable sheath)
white, brown, green, yellow, gray, pink, blue, red
8 wires around filler to the core
58 mm
black-gray RAL 7021
5.1 mm ±0.15 mm
25.5 mm
51 mm
4000000
51 mm
10 m
3 m/s
10 m/s ²
PUR
PE



Technical data

Cable

Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	1 GΩ*km (at 20 °C)
Conductor resistance	139 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC (Spark test)
Flame resistance	according to UL 758/1581 (horizontal)
	in accordance with UL 758/1581 FT2
Halogen-free	in accordance with DIN VDE 0472 part 815
	in accordance with DIN EN 50267-2-1
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
Other resistance	hydrolysis and microbe resistant
	Resistant to salt water
	Low adhesion
	abrasion-resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C 80 °C (cable, fixed installation)
	-25 °C 80 °C (cable, flexible installation)

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings





M8 plug pin assignment, 8-pos., view of pin side





M8 x 1 male plug, straight version





Contact assignment of the M8 plug



Cable cross section



PUR halogen-free black [PUR]

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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Approvals

EAC RU C-DE.BL08.B.00286

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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