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Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Plug straight M12 SPEEDCON, Acoded, on Valve connector BI (11 mm), with 1 LED, connected with Z diode, Cable length: 3 m

Product Features

- ☑ Robust valve connector with Zener diode as protective circuit
- Save time, thanks to installation with SPEEDCON rapid interlock system
- ☑ Convenient: increased machine availability thanks to quick and easy diagnostics





Key commercial data

Packing unit	11
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	3 m

Ambient conditions

Ambient temperature (operation) -25 °C 90 °C (Plug / socket)		
	-20 °C 85 °C (valve plug)	
Degree of protection	IP65	
	IP67	

General

Rated current at 40°C	4 A
Rated voltage	24 V

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Technical data

General

Number of positions 3		
Contact resistance	$\leq 5 \text{ m}\Omega$	
Insulation resistance	≥ 100 MΩ	
Coding	A - standard	
Standards/regulations	M12 connector IEC 61076-2-101	
Status display	1 LED	
Protective circuit/component	Z diode	
Surge voltage category	III	
Pollution degree	3	
Insertion/withdrawal cycles	≥ 100 (M12 connector)	
Torque	0.4 Nm (M12 connector)	
	0.6 Nm (Valve connector)	

Material

Inflammability class according to UL 94	НВ
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU
Valve plug contact material	CuSn
Valve plug contact surface material	Sn
Valve plug contact insert material	PA 66
Material housing valve plug	TPU
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	TPU (Seal molded)

Cable

Cable type	PUR halogen-free black	
Cable type (abbreviation)	PUR	
Cable abbreviation	Li9Y11Y-HF	
UL AWM style	20549	
Conductor cross section	3x 0.5 mm²	
AWG signal line	20	
Conductor structure signal line	28x 0.15 mm	
Core diameter including insulation	1.5 mm ±0.05 mm (signal line)	
Wire colors	Black 1, black 2, green/yellow	
Overall twist	3 wires, twisted	
External sheath, color	Black-gray RAL 7021	

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Technical data

Cable

4.5 mm ± 0.2 mm		
22.5 mm		
15000000		
50 mm		
0.9 m		
5 m/s		
30 m/s ²		
PUR		
PP		
Bare Cu litz wires		
min. 20 MΩ*km		
39 Ω/km (at 20 °C)		
≤ 300 V		
≥ 1200 V		
According to DIN VDE 0482		
According to DIN EN 50265-2-1		
in accordance with DIN VDE 0472 part 815		
Largely oil-resistant		
partly UV-resistant in accordance with DIN EN ISO 4892-2-A		
-40 °C 80 °C (cable, fixed installation)		

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

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Classifications

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

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Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

GOST 💇

Accessories

Accessories

Conductor marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

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Accessories

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Marker carrier cable

Conductor marker carrier - PATO 2/15 - 1013122



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 2.8-4.4 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 3/15 - 1013135



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 4.4-6.7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 4/15 - 1013148



Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 6.7-10 mm, Lettering field: 4 x 15 mm



Accessories

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Mounting material

Screw - SAC-V-SCREW-M3-29 KNURL - 1403779



Fillister head screw with plastic knurl, M3 x 40

Protective cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 sockets



Safety locking

Fuse clip - SAC-M12-EXCLIP-M - 1558988



Fuse clip for the pin side of various M12 sensor/actuator connectors prevents plug-in connections being interrupted without using a tool

Screwdriver tools



Accessories

Screw insert - SF-BIT-PH 1-70 - 1212582



Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ ISO 1173

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm



Drawings

Schematic diagram



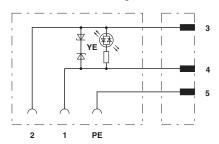
Pin assignment M12 plug, 3-pos., valve connector

Cable cross section



PUR halogen-free black [PUR]

Circuit diagram



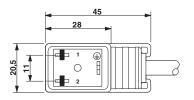
Contact assignment of M12 plug and valve connector

Schematic diagram



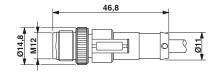
Valve connector pin assignment, type BI

Dimensioned drawing



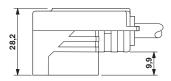
Valve connector, type BI

Dimensioned drawing



M12 x 1 plug, straight

Dimensioned drawing



Valve connector, type BI, side view

单击下面可查看定价,库存,交付和生命周期等信息

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