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Sensor/Actuator cable, 3-position, PUR/PVC, Yellow RAL 1021, Plug straight M12, A-coded, on Valve connector C (8 mm), with 1 LED, connected with Z diode, Cable length: 3 m



#### Key commercial data

Packing unit	11
Minimum order quantity	50 1
Weight per Piece (excluding packing)	179.8 GRM
Custom tariff number	85444290
Country of origin	Germany

#### Technical data

#### **Dimensions**

	Length of cable	3 m
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#### Ambient conditions

Degree of protection	IP67

#### General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Contact resistance	≤ 15 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	1 LED
Protective circuit/component	Z diode
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

#### Material

Inflammability class according to UL 94	НВ
Contact material	CuSn



## Technical data

#### Material

Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Valve plug contact material	CuSn
Valve plug contact surface material	Ag
Valve plug contact insert material	PBT
Material housing valve plug	PBT
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	TPU (Flat gasket valve plug)

#### Cable

Cable type	PUR/PVC yellow
Cable abbreviation	LiYY-11Y
Conductor cross section	0.34 mm²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
	approx. 0.45 mm (Inner sheath)
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	Yellow RAL 1021
External cable diameter	5.20 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
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
Conductor resistance	max. 57.3 Ω/km
Nominal voltage, cable	300 V



#### Technical data

#### Cable

Test voltage, cable	2500 V

#### 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

#### **ETIM**

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

#### **UNSPSC**

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

## **Drawings**

#### Schematic diagram



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

#### Schematic diagram



Valve connector connector pin assignment, type C



#### Dimensioned drawing

# 35,5

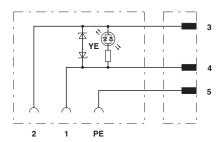
Valve connector, type C

M12 x 1 plug, straight

Dimensioned drawing

46,8

#### Circuit diagram



Contact assignment of M12 plug and valve connector

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