Double valve connector adapter - SAC-MS/0,2-116/2XBI-1L-Z SCO - 1458486

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Double valve connector adapter, npn, 4-position, PUR, Black RAL 9005, Plug straight M12 SPEEDCON, A-coded, on Valve connector BI (11 mm), with 1 LED, connected with Z diode and Valve connector BI (11 mm), with 1 LED, connected with Z diode, Valve connector distance: 0.2 m

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Robust valve connector with Zener diode as protective circuit
- Efficient: control valves with two connections via a single connecting cable
- Convenient: increased machine availability thanks to quick and easy diagnostics

Key commercial data

Packing unit	1 pc
GTIN	4 046356 638937
Weight per Piece (excluding packing)	60.4 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Valve connector distance	0.2 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (valve plug)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	24 V AC/DC
Number of positions	4

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Technical data

General

Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	npn
Status display	1 LED
Protective circuit/component	Z diode
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	50 (valve plug)
Torque	0.6 Nm (valve plug)

Material

Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
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/PVC, 0.75 mm², black
Cable type (abbreviation)	116
Cable abbreviation	LiYY11Y
UL AWM style	20549
Conductor cross section	3x 0.75 mm²
AWG signal line	18
Conductor structure signal line	24x 0.20 mm
Core diameter including insulation	1.7 mm ±0.05 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	Black RAL 9005
External cable diameter D	5.8 mm ±0.2 mm
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	1000000
Traversing rate	2 m/s

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Technical data

Cable

Acceleration	2.5 m/s²
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	26 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage, cable	1200 V
Special properties	Flexible
Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
	in acc. with UL FT-2
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible 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	27279218
eCl@ss 7.0	27279218

ETIM

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

Accessories

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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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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

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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

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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

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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

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Accessories

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

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

Screwdriver tools

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

Sensor/actuator cable

Connecting cable - SAC-4P-FS SCO V/.../... - 1406704

Connecting cable, 4-position, Variable cable type, free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: Free input (0.2 ... 40.0 m), For double valve plug adapters

Torque tool

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

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

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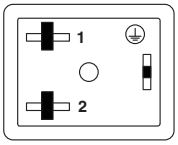
Accessories

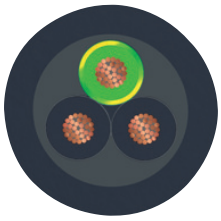
Drawings

Schematic diagram



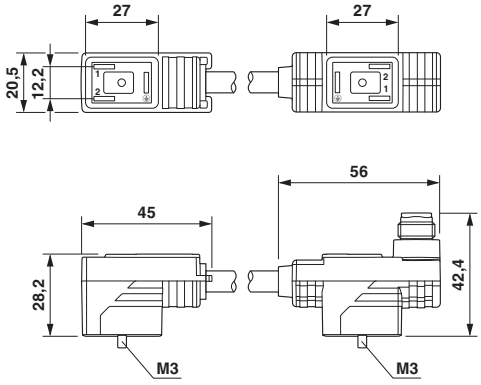
Valve connector pin assignment, type BI

Cable cross section



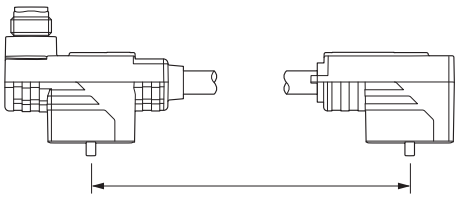
PUR/PVC black [116]

Dimensioned drawing



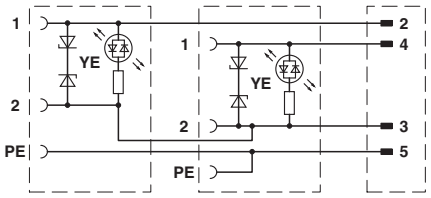
Double valve plug, 2 x type BI

Dimensioned drawing



Valve connector spacing

Circuit diagram



Contact assignment of the double-valve connector

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