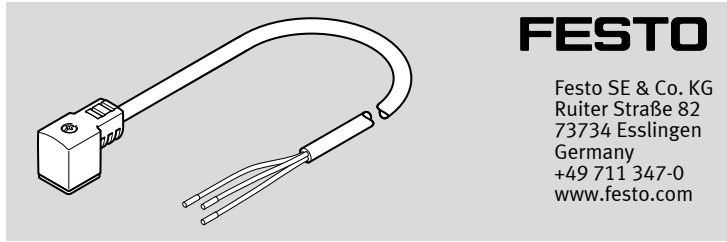


Connecting line NEBV-C1SW3-K-...-LE3-S9



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Instructions Mounting - Connecting line

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Translation of the original instructions

1 Further applicable documents

All available documents for the product → www.festo.com/pk.

2 Safety

2.1 Safety instructions

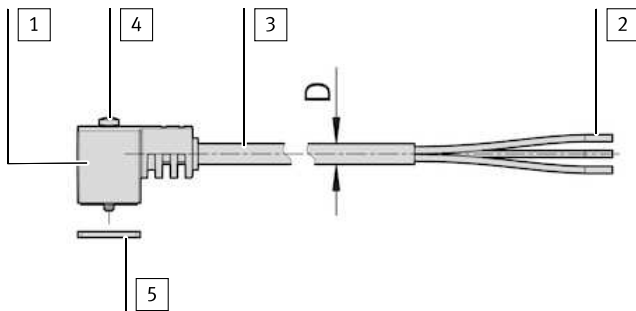
- Do not connect or disconnect plug connector when powered.
- Switch off power supply before starting the mounting work.
- Observe tightening torques.

2.2 Intended use

Connecting cable for valves

3 Configuration

3.1 Product design



- 1 Socket (1x)
- 2 Wire end sleeve (3x)
- 3 Cable (1x)

- 4 Screw (1x)
- 5 Seal (1x)

Fig. 1

3.2 Pin allocation

Port 1	Pin	Colour code ¹⁾
	1	BK
	2	BK
	3 and 4	GNYE

1) Colour code in accordance with IEC 60757:1983-01

Tab. 1

4 Mounting

4.1 Mounting, field device side

1. Mount seal 5 positively locked to the socket 1.
2. Put socket 1 onto the plug that fits.
3. Tighten screw 4.

4.2 Mounting, controller side

1. Connect the wires in accordance with the pin allocation.
2. Connect the earth terminal to the earth potential.

4.3 Installation

- Install connecting cable statically or flexibly.

5 Technical data

NEBV-C1SW3-K-...-LE3-S9

Cable characteristic	Can be dynamically bent, but not for robots or energy chains.	
Cable composition	[mm ²]	3x0.5
Cable diameter	D [mm]	5.2
Current rating at 40 °C	[A]	6
Surge resistance	[kV]	4
Degree of protection	IP65, IP67	
Note on degree of protection	in mounted status	
Bending radius, flexible cable installation	R [mm]	≥ 52
CE marking, see declaration of conformity: → www.festo.com/sp	in accordance with EU Low Voltage Directive	
Operating voltage ranges		
Operating voltage range AC	U _B [V]	0 ... 230
Operating voltage range DC	U _B [V]	0 ... 230
Ambient temperature		
Fixed cable installation	[°C]	–20 ... +70
Flexible cable installation	[°C]	–5 ... +70
Material		
Cable sheath	PVC	
Insulating sheath	PVC	
Electrical connection 1		
Function	Field device side	
Connection type	Socket, narrow design	
Connection technology	Plug pattern, shape C (in accordance with EN 175301-803)	
Type of mounting	On solenoid valve with central screw ≈ 2.5 (central combination cross slot)	
Tightening torque	[Nm]	0.5 ± 20 %
Electrical connection 2		
Function	Controller side	
Connection type	Cable	
Connection technology	Open end	
Wire ends	Wire end sleeve	

Tab. 2