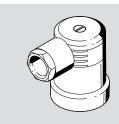
PEV-1/4-A-WD

Angled plug socket



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www.festo.com

Assembly instructions

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Translation of the original instructions

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Applicable Documents

i

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

2 Safety

2.1 Safety instructions

- Before working on the product: Switch off the power supply, ensure that it is off and secure it against being switched on again.

Intended use

The angled plug socket is a plug connector that can be assembled and connects the pressure switch PEV-1/4-A-SW27 with a controller.

Training of qualified personnel

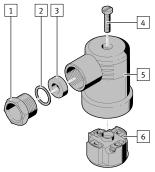
Work on the product may only be carried out by qualified personnel who can evaluate the work and detect dangers. The qualified personnel are trained in electrical engineering.

3 **Additional information**

- Contact the regional Festo contact if you have technical problems
- → www.festo.com.
- Accessories and spare parts → www.festo.com/catalogue.

Product Range Overview 4

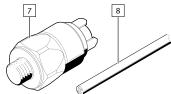
4.1 Scope of delivery



- Pressure screw (1x)
- Washer (1x)
- Seal (1x)
- Central screw (1x)
- Housing (1x)
- Contact holder (1x) with screw terminals

Fig.1

4.2 Not in scope of delivery



- Pressure switch (1x) PEV-1/4-A-SW27
- 8 Cable (1x)

Fig.2

Contact assignment

5

Electrical connection 1 Field device side		Connection	Electrical connection 2 Controller side	
2 1 1 2 3 4	1	Operating voltage	1	2
	2	N/C contact	2	
	3	Earthing	3	
	4	N/O contact	4	
3 4				4 📆

Tab. 1: Contact assignment

6 **Assembly**

6.1 Preparation

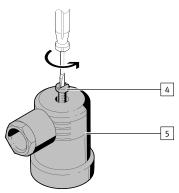


Fig.3

Screw the central screw 4 out of the housing 5.

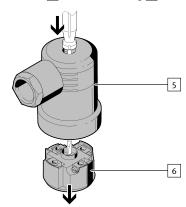


Fig.4

Press the contact holder 6 out of the housing 5.

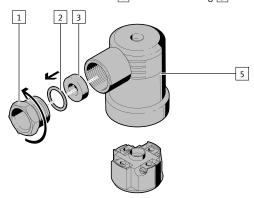


Fig.5

- Unscrew the pressure screw 1.
- Remove the washer 2 and the seal 3 from the housing 5.

6.2 Assembling

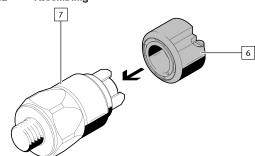


Fig.6

Plug the contact holder 6 onto the pressure switch 7. Note the orientation of the contacts.

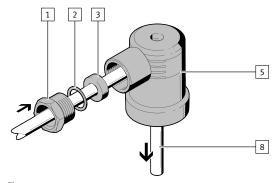


Fig. 7

- Push the pressure screw 1, the washer 2 and the seal 3 onto the cable 8.
- 2. Run the cable 8 through the housing 5.

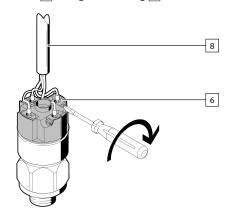


Fig.8

- 1. Strip the cable 8 by 40 mm.
- Strip 5 mm of insulation from the conductors. Use wire ferrules for flexible conductors.
- Guide the conductors into the screw terminals of the contact holder 6.
 Tighten the screws of the screw terminals.
 Tightening torque: 0.2 Nm ± 20%

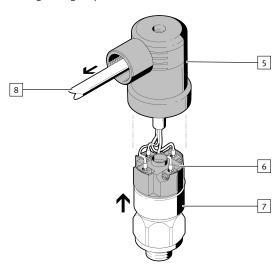


Fig.9

- 1. Run the cable 8 through the housing 5.
- 2. Do not cover the hole for the central screw.
- 3. Plug the housing 5 on the pressure switch 7 with the contact holder 6.

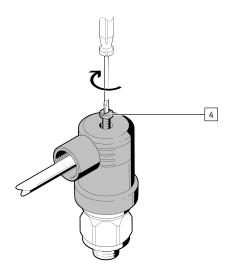


Fig.10

Tighten the central screw 4.
 Tightening torque: 0.55 Nm ± 10%

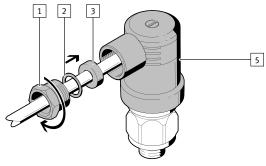


Fig.11

- Push the seal 3, the washer 2 and the pressure screw 1 into the housing 5.
- 2. Tighten the pressure screw 1.
 Tightening torque: 0.35 Nm ± 20%

7 Technical data

PEV-1/4-A-WD		
Certificates, declaration of conformity		→ www.festo.com/sp
Cable diameter	[mm]	4.5 6.5
Cable fitting		Pg9
Operating voltage range DC	[V]	250
Operating voltage range AC	[V]	250
Current rating at 40 °C	[A]	4
Degree of protection In assembled state		IP65
Pollution degree		3
Ambient temperature	[°C]	-20 +100
Electrical connection 1		
Function		Field device side
Connection type		Socket
Number of pins/wires		4
Assigned pins/wires		4
Type of mounting		Central screw
Electrical connection 2		
Function		Controller side
Connection technology		Screw terminal
Connection cross section with Wire end sleeve	[mm ²]	0.1 1.5
Number of pins/wires		4
Assigned pins/wires		4

Tab. 2: Technical data