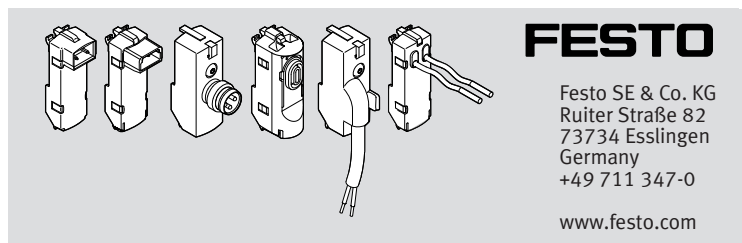


VAVE-L1

Electrical sub-base



Assembly instructions

8239852
2026-03a
[8239854]



Original instructions

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1 Applicable documents

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

2 Safety

2.1 Safety instructions

- Only use the product in its original condition without unauthorised modifications.
- Only use the product if it is in perfect technical condition.
- Take into account the ambient conditions at the location of use.
- Before working on the product, switch off the power supply and secure it against being switched on again.
- Store the product in a cool, dry environment protected from UV and corrosion. Keep storage times short.

2.2 Intended use

Use the electrical sub-base for pilot control of solenoid valves VUVG.

2.3 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 have skills and experience in dealing with electrical (open-loop) control technology.

3 Additional information

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

4 Product Range Overview

4.1 Scope of delivery

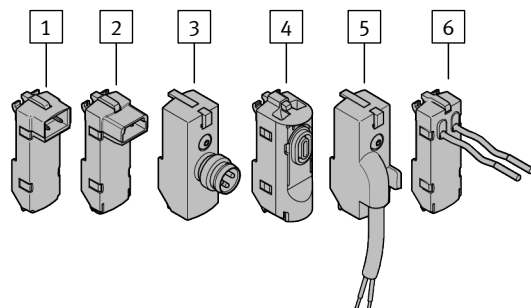


Fig. 1: Overview of the electrical sub-bases

- | | |
|---|---|
| 1 Electrical sub-base VAVE-L1-...H..., square plug, connection pattern H (1x) | 4 Electrical sub-base VAVE-L1-...C8, push-in spring terminal (1x) |
| 2 Electrical sub-base VAVE-L1-...S..., square plug, connection pattern S (1x) | 5 Electrical sub-base VAVE-L1-...K..., open cable end (1x) |
| 3 Electrical sub-base VAVE-L1-...R..., round plug (1x) | 6 Electrical sub-base VAVE-L1-...L..., stranded conductor (1x) |

4.2 Not in scope of delivery

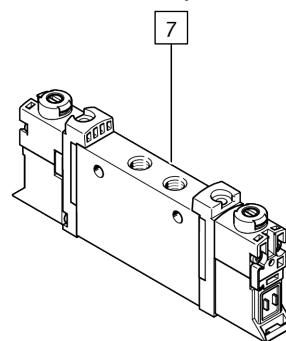


Fig. 2

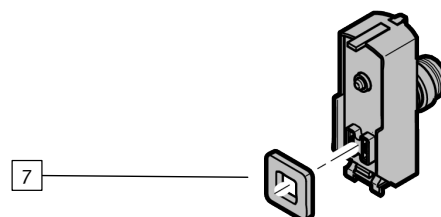
- 7 Solenoid valve VUVG (1x)

5 Mounting

5.1 Mounting seal for degree of protection IP65

Only required for VAVE-L1-...K/R...

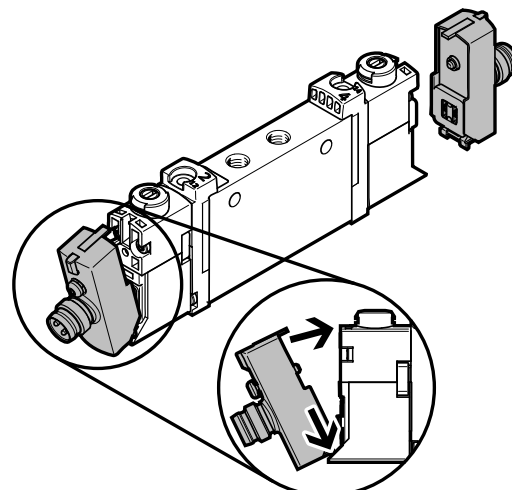
- Press the seal over the internal electrical contacts.



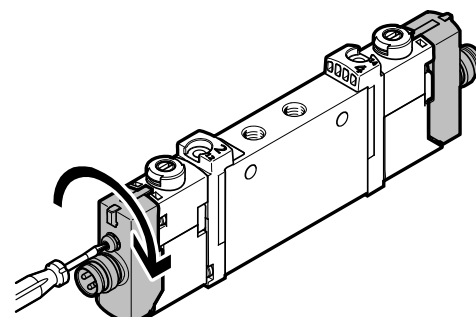
5.2 Mounting electrical sub-base

5.2.1 Mounting electrical sub-base VAVE-L1-...K/R...

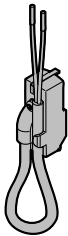
1. Position the electrical sub-base at an angle from above on the solenoid valve VUVG while guiding the retaining tabs into the slots.



2. Swivel the top of the electrical sub-base onto the solenoid valve to the stop and fix it in position.
3. Tighten the screw with a PZ0 Phillips screwdriver. Tightening torque: 0.25 Nm ± 10%

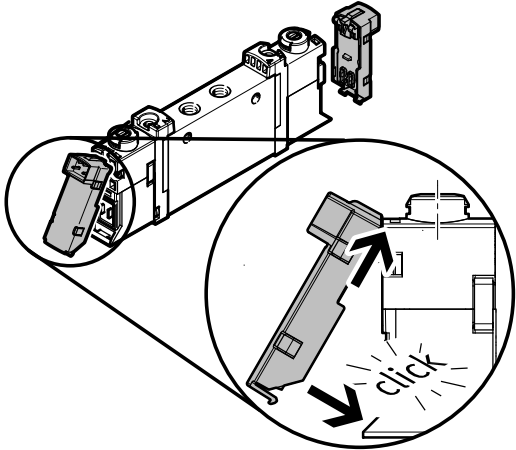


4. For VAVE-L1-...K... with cable guide upwards only: bend the cable to radius ≥ 34 mm and press it into the terminal holder.



5.2.2 Mounting electrical sub-base VAVE-L1-...C/H/L/S...

1. Position the electrical sub-base at an angle from below on the solenoid valve VUVG while guiding the retaining tabs into the slots.



2. Swivel the bottom of the electrical sub-base onto the solenoid valve until it clicks into place.

NOTICE

During disassembly push the electrical sub-base upwards to unlock it and, while keeping it pressed, swivel it away from the solenoid valve.

6 Installation

Electrical sub-base	Pin	Function	Description
VAVE-L1-...H...: square plug, connection pattern H			
	1	+/-	Operating voltage or ground
	2	+/-	Operating voltage or ground
VAVE-L1-...S...: square plug, connection pattern S			
	1	+/-	Operating voltage or ground
	2	+/-	Operating voltage or ground
VAVE-L1-...R8: round plug, M8, 3-pin			
	1	n.c.	Not assigned
	3	+/-	Operating voltage or ground
	4	+/-	Operating voltage or ground
VAVE-L1-...R1: round plug, M8, 4-pin			
	1	n.c.	Not assigned
	2	n.c.	Not assigned
	3	+/-	Operating voltage or ground
	4	+/-	Operating voltage or ground
VAVE-L1-...R3: round plug, M12, A-coded, 4-pin			
	1	n.c.	Not assigned
	2	n.c.	Not assigned
	3	+/-	Operating voltage or ground
	4	+/-	Operating voltage or ground
VAVE-L1-...K...: open cable end			
	BK	+/-	Operating voltage or ground
	BK	+/-	Operating voltage or ground

Electrical sub-base	Pin	Function	Description
VAVE-L1-...L...: stranded conductor, 2-pin			
	1	+/-	Operating voltage or ground
	2	+/-	Operating voltage or ground
VAVE-L1-...C8: push-in spring terminals, 2-pin			
	1	+/-	Operating voltage or ground
	2	+/-	Operating voltage or ground

Tab. 1: Electrical connection of plug, cable and conductor

Connecting push-in spring terminals VAVE-L1-...C8

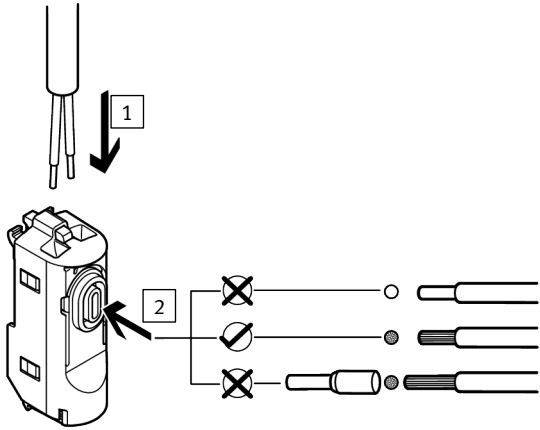


Fig. 3

Requirements

KSK		Solid conductor	Stranded conductor	Stranded conductor with wire ferrule
Conductor $\varnothing$	[mm ²]	0.2 ... 0.75	0.2 ... 0.75	0.25 ... 0.34
	[AWG]	24 ... 18	24 ... 18	24 ... 22
Min. stripped length	[mm]	7.5	7.5	12.5

Tab. 2: Information on the conductor

- Strip the insulation from the wire ends.
- When using stranded conductors without wire ferrule, open the push-in spring terminals by pressing the [2] button.
- Push the wire ends [1] into the push-in spring terminals to the stop.
- Release the button.
- Check the clamping and contact of the wires.