

Installation Instructions Additional Position Switches PSQ-AMS

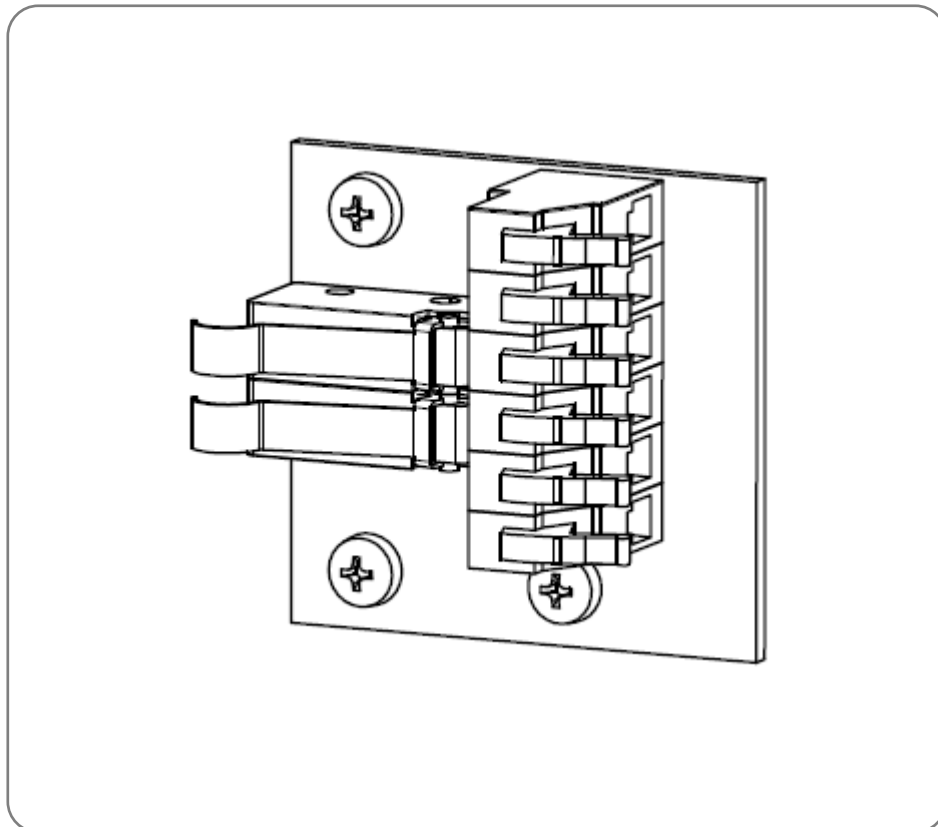


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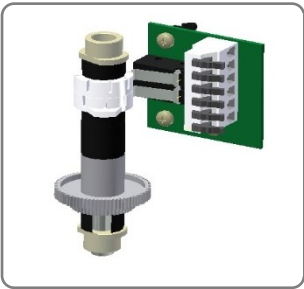
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1. Safety



Caution! Dangerous electrical voltage can be present! Avoid personal or material damages by observing applicable regulations and safety standards!

2. Scope of supply



- 1 x Circuit board with position switches
- 1 x premounted switch shaft

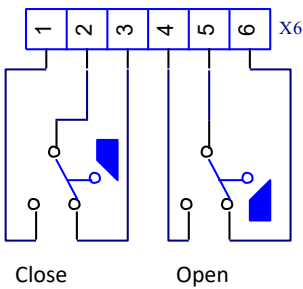
3. Available versions

Available versions of these switches are:

Standard switches with silver/nickel contacts (2WE)	Standard switches are potential-free changeover contacts with silver/nickel contacts (2WE). They are suitable for currents from 0,1 A to 10 A at voltages in the range of 24 V to 230 VAC/DC.
Switches with gold contacts (2WE Gold)	For lower currents from 1 mA to 100 mA at voltages in the range of 5 V to 30 VAC/DC we recommend switches with gold contacts (2WE Gold). The contact resistance with 2WE Gold is 30 mΩ.

4. Wiring diagram

Additional Position Switch



Terminal overview

5. Mounting additional position switches

①



Safety Regulations

- Disconnect mains!
- Prevent reconnection!
- Test for absence of harmful voltages!
- Ground and short circuit
- Cover or close nearby live parts!

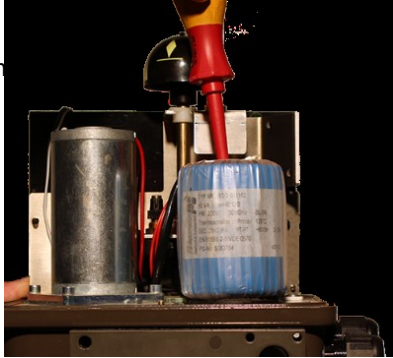
②

Remove cover. Follow instructions on the label.

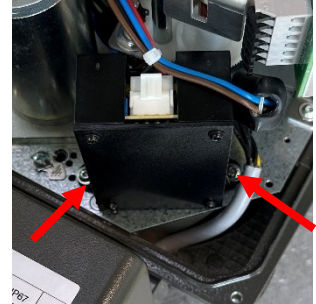


③

Unscrew transform

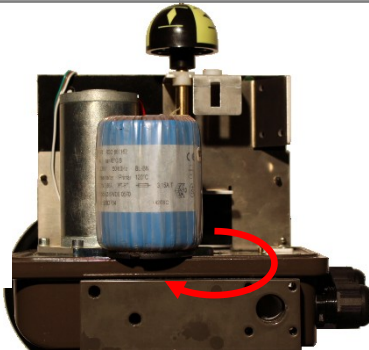


For actuators with a power supply unit, two screws must be loosened.



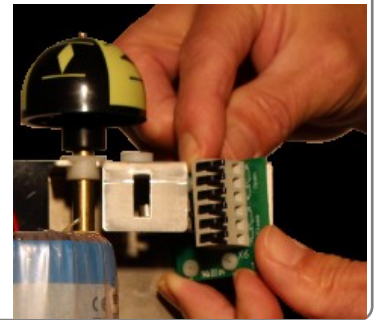
④

Move transformer carefully aside.



⑤

Click the circuit board with the position switches into the metal support.

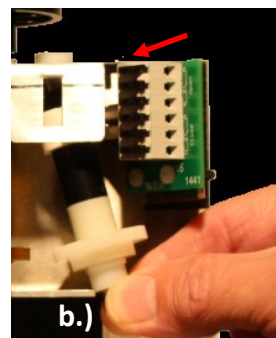


⑥

Tighten the screw on the back side.



⑦



b.) Insert the switch shaft in the upper bearing bush while pressing the lower bearing bush against the plastic gear.

a.) Press the upper bearing bush from inside to outside into the bearing bore.

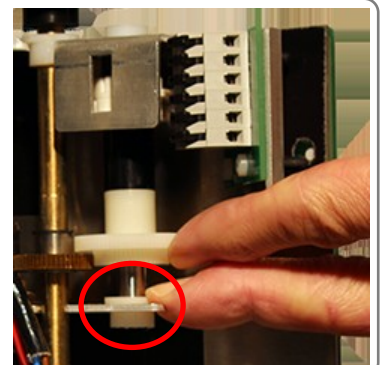
⑧

Position the lower switch shaft end through the key hole.



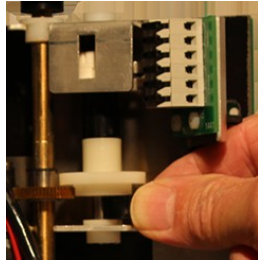
⑨

Press the lower bearing bush down into the bearing bore.



⑩

Fix the switch shaft with the slotted sleeve.

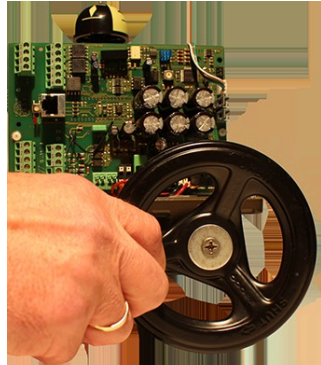


⑪

Wire the switches (see 4).

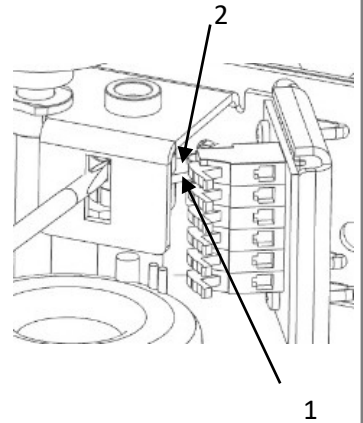
⑫

Move the actuator by handwheel to the desired switch positions.



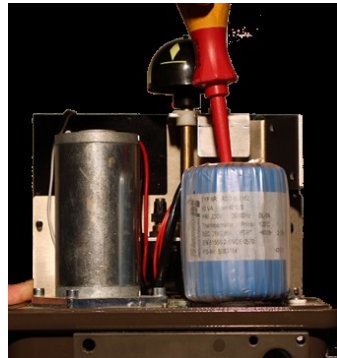
⑬

Turn the respective cams with a screwdriver until the micro switches are heard to click. For actuators closing clockwise, the lower cam (1) activates the switch for closing direction, the upper cam (2) for opening



⑭

Mount the transformer in its original position.



⑮

Close cover.



⑯

Safety Regulations

- To energize apply in reverse order as described under ①



⑰



Drive actuator electrically, check switching positions and readjust, if necessary (disconnect supply voltage).

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