OMRON

Rocker Switch

Safety Precautions

Precautions

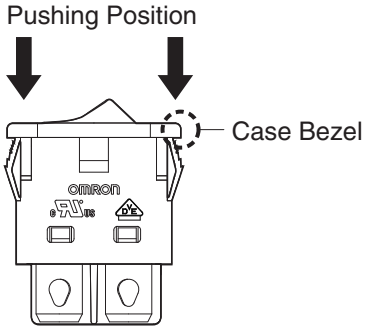
⚠ Caution

Do not wire the Switch or touch any terminal of the Switch while power is being supplied. Or it may result in electric shock.

To increase the reliability of operation, test the Switch before actual operation.
Be sure that there is an enough insulation distance between any Switch terminal and metal part.

Mounting

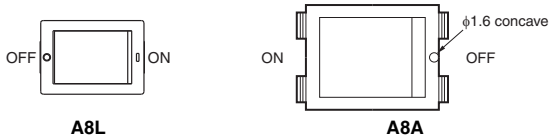
- Turn OFF the power supply before mounting, removing or wiring the Switch, or before performing maintenance inspections. Failure to do so many result in electric shock.
- Easy to mount by snap fitting.
- Do not use panels other than ones with the designated thickness and dimensions. Remove all burrs from the cutout before installing the Switch. Otherwise, the Switch may malfunction.
- Do not impose excessive force on the Switch at the time of panelmounting. Otherwise the Switch may be damaged or deformed, and the Switch mechanism may malfunction as a result.
- When mounting the switch to a panel, apply weight on the case and flange. Do not apply force to the operation button.



Wiring

● Type A8L, and A8A Switches

- Use the ON and OFF marks (concave) on the case and flange as guides for installing direction.



A8L **A8A**

- Use wires with sizes suitable for load (current) which is to be applied.
- Using this product to open/close small-load circuits may cause negative effects on performance. Perform inspection in the actual-use condition.

● Type A8L Switch

- When inserting a receptacle to the tab terminal, apply weight on the case and flange to support.
  Without support, a plastic hook of the switch may become deformed or broken.
- After completing wiring to the switch, secure an appropriate insulating distance.
- Take care so that no force is regularly applied on the terminal after wiring.
- Manual soldering must be done within 3 seconds with a 60 W soldering iron (maximum tip temperature 420°C). Do not apply force on the terminal.
- If using a solder bath, finish within 5 seconds in the case of 270°C soldering solution, and within 3 seconds in the case of 350°C soldering solution.
- For A8L-□□-□5□□, use only the FASTON receptacle #187 (6.3 × 0.8 mm).
- Soldered terminal (A8L-□□-□1□□) does not satisfy the certification as a tab terminal according to the IEC standards. If you need a standard certification, use it as a soldered terminal.

● Type A8A Switch

Use a FASTON receptacle #250 (t = 0.8) to connect lead wire. Soldering cannot be used for wiring.

● Type A8G Switch

- Wire the contact terminals with #250 receptacles and the coil terminals with #110 receptacles. Insert the terminals straight into the receptacles. The insertion force varies with the receptacle. Test the insertion force of each receptacle under the actual operating conditions.
- Do not solder the terminals, otherwise the performance of the terminals may be affected.
- Do not energize coil terminals for more than 10 s, otherwise the performance of the coil may be affected.
- Each coil terminal has a polarity. When wiring, be sure not to make any mistake in polarity.

Environment for Storage and Use

- Do not use the Switch in places with sulfide gas, corrosive gas, sea breeze, oil spray, or direct sunlight. Otherwise, the Switch may malfunction.
- Do not use the Switch in places that are visibly dusty. Otherwise, the contacts may fail to operate correctly.

● Type A8L, A8A, and A8G

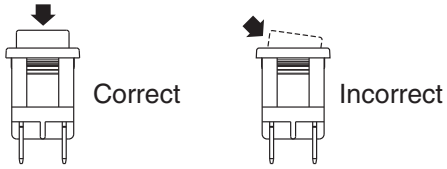
The switches are not sealed to prevent to enter the dust particles and liquuid perfectly. Test the Switches under the actual operating conditions before use.

● A8G

The Switch may malfunction in a strong magnetic field because the Switch has a permanent magnet and solenoid. Test the Switch under the actual operating conditions before use.

Handling

- Do not drop the Switch. Otherwise, the Switch may malfunction.
- Do not impose excessive force on the Switch. Otherwise, the Switch may deform.
- Use the Switch within the rated voltage and current ranges, otherwise the Switch may have a shortened life expectancy, radiate heat, burn out or malfunction.
- Do not impose force to operating part from an angle, otherwise the Switch may be damaged or deformed.



- The recommended panel material is SPCC. The switch may not be held securely if the material is soft, or if the reverse side of panel is not edge-shaped. Be sure to test the switch in actual operation before setting the thickness and measurements of panel.

RoHS Compliant

The "RoHS Compliant" designation indicates that the listed models do not contain the six hazardous substances covered by the RoHS Directive.
Reference: The following standards are used to determine compliance for the six substances.

Lead	: 1,000 ppm max.
Mercury	: 1,000 ppm max.
Cadmium	: 100 ppm max.
Hexavalent chromium	: 1,000 ppm max.
PBB	: 1,000 ppm max.
PBDE	: 1,000 ppm max.

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