

Snap action switches Series S37





General information and safety information









Intended use:



Snap action switches series S37 were developed to be used as part of a complete system or machine to switch and conduct electrical current. Use snap switches only as intended and only for the approved purpose.


Before mounting, operating or maintaining the snap-action switches, these safety instructions must be read and understood completely and carefully.

Keep these safety instructions at the installation site of the device.

	GEFAHR	Indicates a hazardous situation. If it is not avoided, death or severe injuries will result.
	WARNUNG	Indicates a potentially dangerous situation. If it is not avoided, death or severe injuries can result.
	VORSICHT	Indicates a potentially dangerous situation. If not avoided, moderate or minor injuries can result.
	HINWEIS	Indicates a potentially harmful situation. If not avoided, parts, units, components may be damaged.

	GEFAHR	Snap action switches may only be installed and inspected by professionally qualified staff.
	GEFAHR	Snap action switches may not be converted or modified. Changes to the snap action switches can reduce the safety of people and machines affect, they are not permitted and lead to caveat emptor and exclusion of liability.
	GEFAHR	Transport damage, cracks or mechanical deformations on the housing can reduce the electrical insulation strength of the switch. Check snap action switches for possible damage before commissioning. The damaged snap action switches are no longer safe and must not be used.
	GEFAHR	Snap action switches and cables conduct and switch electrical current, touching of electrically conductive parts, lines and housings in the connection area can lead to injuries or death. During installation or maintenance, snap action switch off the voltage at the snap action switch and secure it against being switched on, short-circuit and earth lines.
	GEFAHR	Improper handling of the snap action switches such as: painting, cleaning or using chemicals, using adhesives can reduce the electrical insulation strength of the switch. Check snap action switches for possible damage before commissioning. The damaged snap action switches are no longer safe and must not be used.
	GEFAHR	Snap action switches may only be used under the operating conditions specified in the technical data sheets. There is a risk to life through improper use. Information on voltage, amperage, IP protection class, operating temperature and degree of pollution, etc. must be observed. Failure to do so will result in death or serious injury.
	GEFAHR	In the event of improper use or damage, for example when using the snap action switch as a mechanical end stop or as a spacer, hazards or damage to people or to machine or system parts can arise.
	GEFAHR	Mechanical switches are not to be considered faultless. If snap action switches are used for a safety function, the function must be monitored via an appropriate architecture in order to achieve the necessary SIL category.

	VORSICHT	Snap action switches and cables conduct and switch electrical current during operation and can heat up, touching electrically conductive parts, wires and housing can cause burns. Before starting maintenance, repairs, make sure the components and switches have cooled down.
	VORSICHT	Snap action switches must not be painted, greased or oiled.

	HINWEIS	After disassembly, Snap action switches must be properly disposed of. (Snap action switches contain precious and non-ferrous metals such as copper, tin, nickel, zinc, silver, etc.)
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