

SHS3 Series



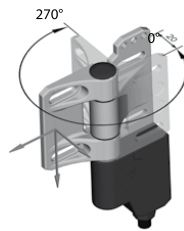
- **Easy to install and tamper-resistant** - the switch mechanism is safely integrated in the hinge
- **No actuator** - no alignment necessary since the actuator is an integral part of the switch
- **No mechanical deterioration** - due to the actuator free switching
- **Reliably operating** - there is no alignment issues between the switch and actuator
- **Tamper-resistant** - the hinged switch can not be defeated with an extra actuator

New Design With Fine Adjustment

The new SHS3 series offers the next generation of hinged safety switch development. It is now unnecessary to replace switches when misalignment of safety doors or gates may occur due to mechanical stress created by accidents or instability. The SHS3 features a fine adjustment system that allows the trip point to be fine tuned to correct for changes to the door or gate, even after the switching point has been set.

Reusable

The SHS3 can be reused even when the entire system needs to be converted: With the aid of a change kit, the user can redefine the switching point without effecting the protection rating of IP67.



Safe:

With suitable system layout, the switch can be used up to performance level PL_e. Following variants are available:

- 2 positive opening safety contacts
- 2 positive opening safety contacts with additional normally-open signaling contact
- With integrated AS interface Safety at Work.

Greater Application Range

The SHS3 has a swivel range from 0° to 270°. The switching point is also freely selectable. The SHS3 hinge switch has virtually no limits in terms of its installation flexibility. Not only does the SHS3 enable front and interior installation, right-hinged or left-hinged mounting or freely selectable direction of electric connection, but thanks to the switching point which can be set in an angle range of 270°, this hinge switch can also be installed in places that were previously not possible.

Flexible:

- Freely and repeatedly adjustable switching point
- Switching point freely adjustable by user over a range of 270°
- Uncomplicated re-adjustment even of set switching point by $\pm 1.5^\circ$ thanks to integrated fine adjustment system
- Slots for mounting on sections and welded structures
- In addition to the plug connection version, an SHS3 with fixed cable connection at the back is also available
- Right and left hinged systems possible for optimum cable routing
- Mounting between sections while maintaining the required finger guard gap

Fast:

To connect the SHS3 even more efficiently, the two contacts are designed as normally-closed contacts with Ultra-Lock technology, thus enabling connection with an M12 cable.

Reliable:

- The protection rating is IP67
- The load-bearing hinge is made from stainless steel while the switching system is housed in a high quality plastic enclosure