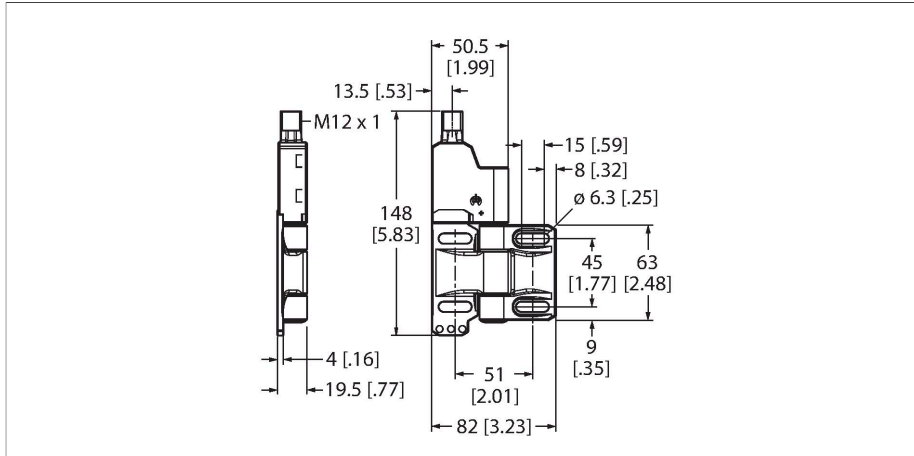


SI-HGZ63FQDL

Safety Technology – Hinge Safety Switch



Technical data

| | |
|--------------------------------------|--|
| Type | SI-HGZ63FQDL |
| ID no. | 3025582 |
| Function | Hinge safety switch |
| Output function | 2 x NC (normally closed), Potential-free |
| Rated insulation voltage | 250 V |
| Conventional thermal current | 4 A |
| Impulse withstand voltage | 2.5 kV |
| Protection class | II |
| Design | Rectangular |
| Dimensions | 82 x 19.5 x 147 mm |
| Housing material | Die-cast zinc, ZN |
| Switching speed | 5 /min |
| Mechanical lifespan | 1 * 10 ⁶ Switching cycles |
| B10d value | 2 * 10 ⁶ Switching cycles |
| Cascadable | no |
| Electrical connection | Connectors, M12 × 1 |
| Number of cores | 6 |
| Ambient temperature | -25...+70 °C |
| Protection class | IP67 |
| Special features | Wash down |
| Tests/approvals | |
| PL acc. to DIN EN 13849-1:2008 | e |
| Category acc. to DIN EN 13849-1:2008 | 4 |
| SIL according IEC 61508 | 3 |
| Coding level/tamper protection | Uncoded |

Features

- Door hinge switch
- Fulfills IEC 60947-5-1
- Safety interlock switch integrated in a very robust PBT housing
- Switchpoint is repositionable
- Tamper-proof
- Switchpoint is adjustable from 0° to 270° degrees
- Switch can be turned and operated from the opposite side
- Zinc die-cast hinge supports a load of 1200 N (120 kg)
- Left hinge
- 2 safety outputs, NC
- 1 auxiliary contact, NO
- SIL 3 (IEC 61508)
- PL e (ISO 13849-1)

Functional principle

Use the SI-HG (Z)-63 series to monitor the position of a safety guard such as opening or removing.

A safety guard may be a gate, door, ceiling, panel, barrier or other physical means which separates a person from a hazard.

Safety interlock switches give a signal to the machine control to prevent a dangerous situation or to stop when the guard is not in the correct position.

These safety interlock switches are designed for non-locking safe guards, unless another guard is provided.