

Hinge Interlock Safety Switch - Type IDIS-2



Features:

- Positive opening safety contacts to IEC 947-5-1
- Compact version – fits on 22mm hole centres EN50047 body
- Universal Actuator for use with Left Hand, Right Hand and Swing doors
- Opening angle – 180 degrees
- Contact operation at 5 degrees
- High Mechanical Life 1,000,000 cycles
- Rugged plastic body - Enclosure Protected to IP 66/67
- Robust Stainless Steel Actuator
- Conformance to EN 60947-5-1 EN 1088
- Conduit entries: M20 ½" NPT or Quick connect

Universal fitting – opening angle 180 degrees for swing doors

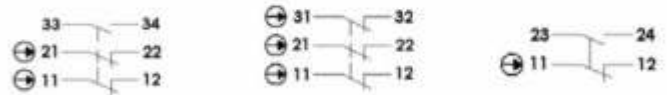
IDEM Compact Hinge Safety Interlock switches are designed to provide robust position interlock detection for moving guards.

They are designed to fit to the hinged axis of machine guard doors.

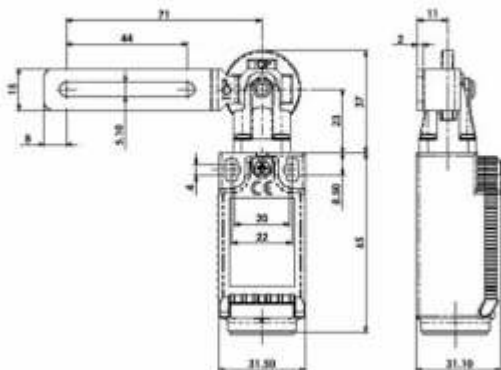
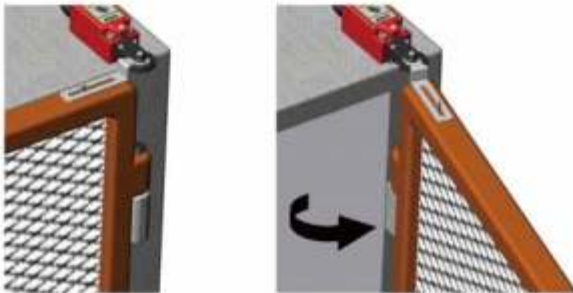
The rugged Stainless Steel actuator profile is designed to fix easily to the guard door frame and provide a positively operated interlock mechanism.

Switch head can be rotated through 90 degree increments to provide ease of mounting in 4 positions.

Contact blocks are replaceable with optional slow or snap break operation.



Slow Make Break 2NC 1NO Slow Make Break 3NC Snap Action 1NC 1NO



Outline fixing dimensions mm

| | |
|--|---|
| Conforming to standard | EN50047, EN1088, IEC 947-5-1, UL508 |
| Positive Opening Operation | NC Contact |
| Utilization Category | AC15 A300 |
| Thermal Current (Ith) | 10A |
| Rated Insulation Voltage | 300VAC |
| Rated Impulse Withstand Volt | 2500VAC |
| Insulation Resistance | 100MQmin.(DC500V) |
| Contact Resistance | 25mQ max. (initial) |
| Actuator Rotation for Positive Opening | 7 degrees 0.5Nm |
| Man. Actuation Frequency | 2 cycle/sec |
| Case Material | UL approved glass-filled polyester |
| Actuator Material | Stainless steel |
| Enclosure Protection | IP67 |
| Operating Temperature | -25°C to 80°C |
| Pollution Degree | 3 |
| Mechanical Life Expectancy | 1 x 10 ⁶ Cycle min. |
| Electrically Life Expectancy | 150,000 Cycle min. |
| Vibration | IEC 68-2-6, 10-55Hz+1Hz, Excursion: 0.35mm, 1 octave/min |
| Conduit Entry | Various (See Sales Part Numbers) |
| Fixing | 2 x M4 |

| Sales Number | | | | |
|--------------------|--------------|--------|--------|--------|
| | Contacts | M20 | ½"NPT | QC |
| Universal Actuator | 2NC 1NO | 192001 | 190002 | 192003 |
| Universal Actuator | 3NC | 192004 | 192005 | 192006 |
| Universal Actuator | 1NC 1NO Snap | 192007 | 192008 | 192009 |