

## IDEM STAINLESS STEEL IP69K SAFETY INTERLOCK SWITCH K-SS

208002F

K-SS ½NPT '2NC 1NO' - flat actuator

- Universal fitting - established footprint
- 52mm wide x 99mm long
- Replaceable contact blocks
- Head rotates to give 4 actuator entry points
- Suitable for most general applications



### PRODUCT DESCRIPTION

IDEM's HYGIECAM Series of Interlock Switches have a rugged Stainless Steel 316 body and have been designed to cope with the rigorous applications of the Food Processing, Pharmaceutical, Packaging and Petro-Chemical Industries.

They have IP69K enclosure protection (maintained by a double seal lid gasket and seals) and can be high pressure hosed with detergent at high pressure and high temperature.

Designed to fit to the leading edge of sliding, hinged or lift off machine guards. They provide a forced disconnect of the safety contacts at the withdrawal of the actuator and have an anti-tamper mechanism.

The head can be rotated to give 4 actuator entry positions. For extra durability, Flexible Actuators are available.

Contact blocks are replaceable with optional explosion proof versions.

They are sealed to IP69K and survive most caustic wash down solutions.

The head can be rotated to give 4 actuator entry positions.



Designed with a removable lid to fit replaceable contact blocks.

For extra durability flexible actuators are available.

## TECHNICAL DATA

|                                            |                                                                 |
|--------------------------------------------|-----------------------------------------------------------------|
| <b>Actuator</b>                            | Flat                                                            |
| <b>Annual usage</b>                        | 8 cycles per hour/24 hours per day/365 days                     |
| <b>Approvals</b>                           | ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508 |
| <b>ATEX approved</b>                       | No                                                              |
| <b>Conduit entry</b>                       | 1/2" NPT                                                        |
| <b>Contacts</b>                            | 2NC 1NO                                                         |
| <b>Head material</b>                       | Stainless steel 316                                             |
| <b>Housing material</b>                    | Stainless steel 316                                             |
| <b>IP class</b>                            | IP67, IP69K                                                     |
| <b>Maximum approach / withdrawal speed</b> | 600 mm/s                                                        |
| <b>Mechanical reliability B10d</b>         | 2.5x10 <sup>6</sup> operations at 100mA load                    |
| <b>Mounting</b>                            | 4 x M5                                                          |
| <b>MTTFd</b>                               | 356 years                                                       |
| <b>Operating temperature</b>               | -25..80°C                                                       |
| <b>PFHd</b>                                | 3.44 x 10 <sup>-8</sup>                                         |
| <b>PL</b>                                  | e acc. ISO13849-1                                               |
| <b>Rated insulation voltage</b>            | 500V ac                                                         |
| <b>SIL</b>                                 | 3 acc. EN62061                                                  |
| <b>Thermal current (I<sub>th</sub>)</b>    | 5 A                                                             |
| <b>Travel for positive opening</b>         | 8 mm                                                            |
| <b>Withstand voltage</b>                   | 2500V ac                                                        |





