



# IDEM - TONGUE INTERLOCK SAFETY SWITCHES – K-15

K-15

207005A  
K-15 ½NPT '3NC' - std actuator

- 4 Actuator entry positions with a rotatable head. Plastic or stainless steel 316 head options
- Compact body with 3 conduit entries
- 3 pole contact blocks
- 54 mm x 86 mm 40mm fixing
- IP67 ingress protection rating



## Product description

### Features

- The K-15 Safety Interlock switch is designed to provide position interlock detection for moving guards
- They are designed to fit to the leading edge of sliding, hinged or lift off machine guards
- They offer a compact 86mm long body to fit to applications where space is restricted, yet offer 3 pole contacts and choice of 3 conduit entries for wiring versatility
- The head can be rotated to give 4 actuator entry positions

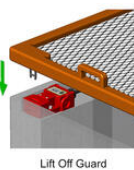
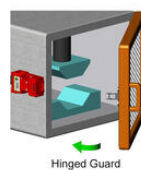
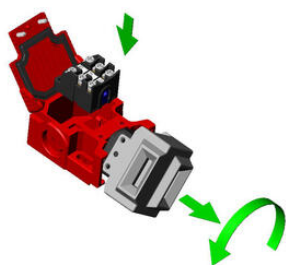


- Designed with a hinged lid to fit replacable contact blocks
- Flexible actuators are available and the K-15 is available with a stainless steel head

## Specifications

|               |   |
|---------------|---|
| Actuator      | Standard  |
| Annual usage  | 8 cycles per hour/24 hours per day/365 days                     |
| Approvals     | ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508 |
| Atex approved | No  |

|  |  |
|--|--|
| <b>Central Material</b>                    | Polyester                                      |
| <b>Conduit entry</b>                       | 1/2" NPT                                       |
| <b>Contacts</b>                            | 3NC  |
| <b>Head material</b>                       | Polyester                                      |
| <b>IP Class</b>                            | IP67   |
| <b>Maximum approach / withdrawal speed</b> | 600  |
| <b>Mechanical reliability B10d</b>         | 2.5 x 10 <sup>6</sup> operations at 100mA load |
| <b>Mounting</b>                            | 2 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  |
| <b>Travel for positive opening</b>         | 8  |
| <b>Withstand voltage</b>                   | 2500V ac                                       |





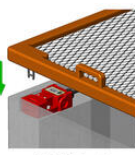
Slow Make Break 2NC 1NO



Slow Make Break 3NC



Hinged Guard



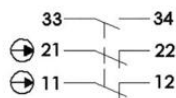
Lift Off Guard



Sliding Guard



Slow Make Break 2NC 1NO



Slow Make Break 3NC

