

## IDEM STAINLESS STEEL IP69K GUARD LOCKING SWITCH KL3-SS-P2L

205021HFH

KL3-SS-P2L M20 24v - HFH actuator



- Power to lock; spring to unlock mechanism
- Slim stainless steel body
- Suitable for applications where immediate unlocking is required
- IP69K enclosure protection
- 8 actuator entry positions



### PRODUCT DESCRIPTION

The KL3-SS-P2L Series Guard Locking switches have a slim stainless steel 316 body design and have been developed with a holding force of 2000N to keep large guard doors closed until hazards have been removed.

They are Power to Lock - Spring to Unlock - suitable for applications where immediate unlocking is required at removal or loss of power. They are NOT suitable for machines with a running down time).

The Stainless Steel 316 housing provides a durable robust hold closed. Flexible actuators are available to aid where some alignment is a problem.

IP69K enclosure protection is maintained by a double seal lid gasket design and metal fixings.

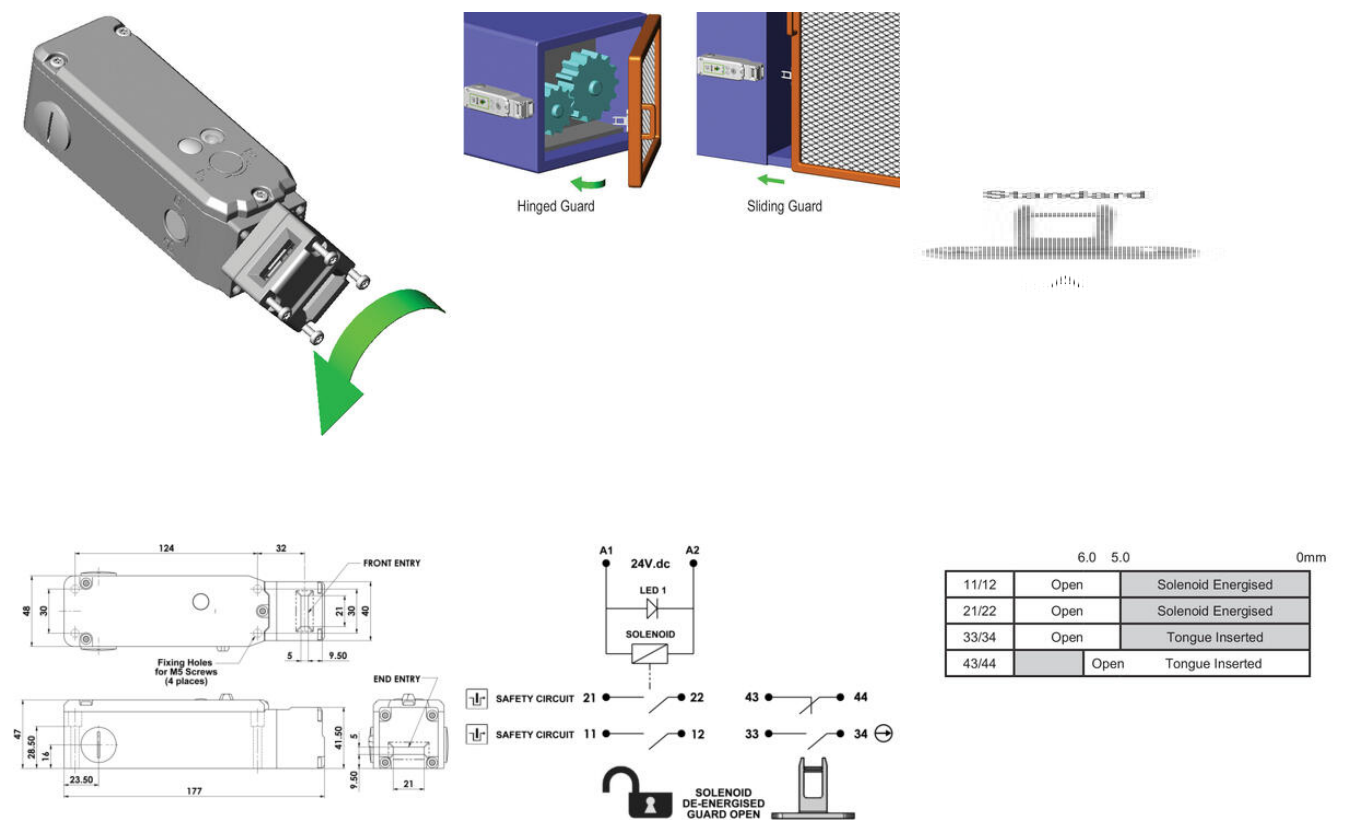
They have a slim profile and are designed to fit on 50mm (2") frame sections or to applications where space is restricted.

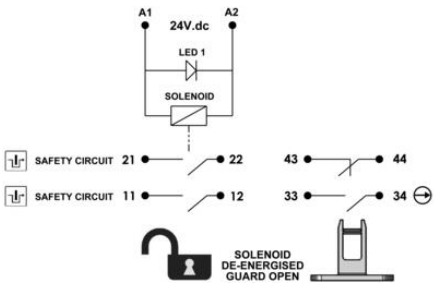
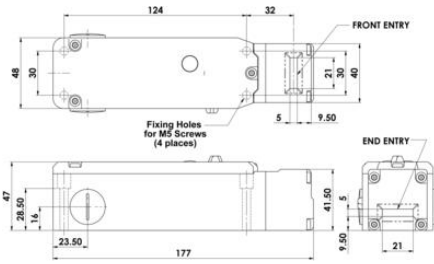
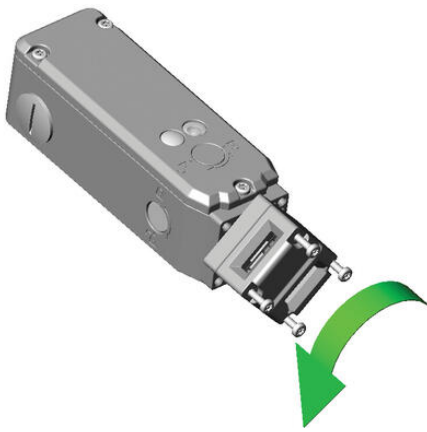
The head will rotate to provide up to 8 actuator entry positions.

### TECHNICAL DATA

|                       |  |
|-----------------------|--|
| Actuator              | Heavy duty s/steel   |
| Annual usage          | 8 cycles per hour/24 hours per day/365 days                            |
| Approvals             | ISO 13849-1, ISO 14119, EN60204-1, EN62061, EN60947-5-1, UL 508        |
| Conduit entry         | M20  |
| Contact type          | 2NC safety circuits, 1NC 1NO auxiliary circuits - actuator/door status |
| Contacts              | 3NC 1NO  |
| Head material         | Stainless steel 316  |
| Holding force (F1Max) | 3000 N   |
| Housing material      | Stainless steel 316  |

|                                     |  |
|-------------------------------------|--|
| IP class                            | IP69K  |
| Manual operation                    | Manual release lid only                        |
| Maximum approach / withdrawal speed | 600 mm/s                                       |
| Mechanical reliability B10d         | 2.5 x 10 <sup>6</sup> operations at 100mA load |
| Mounting                            | 4 x M5   |
| MTTFd                               | 356 years                                      |
| Operating temperature               | -25..40°C                                      |
| PFHd                                | 3.44 x 10 <sup>-8</sup>                        |
| PL                                  | e acc. ISO13849-1                              |
| Rated insulation voltage            | 600V ac  |
| SIL                                 | 3 acc. EN62061                                 |
| Solenoid Voltage                    | 24V dc   |
| Thermal current (Ith)               | 5 A  |
| Travel for positive opening         | 10 mm  |
| Utilisation category                | AC15, A300, 3 A                                |
| Withstand voltage                   | 2500V ac                                       |





|       | 6.0  | 5.0                | 0mm             |
|-------|------|--------------------|-----------------|
| 11/12 | Open | Solenoid Energised |                 |
| 21/22 | Open | Solenoid Energised |                 |
| 33/34 | Open | Tongue Inserted    |                 |
| 43/44 |      | Open               | Tongue Inserted |