IDEM STAINLESS STEEL IP69K GUARD LOCKING SWITCH KL1-SS

220305HFH
KL1-SS ½NPT 110v LED2 (lock status) - HFH actuator

- Solenoid locking
- Provides 4 actuator entry points
- Compact 63mm wide x 143mm long
- 2 lock monitoring safety contacts
- Rotatable head

Product description

The KL1-SS Series Guard Locking switches have a rugged Stainless Steel 316 body and have been developed with a holding force of 1600N to keep medium to large guard doors closed until hazards have been removed.

They are designed to cope with the rigorous applications of the Food Processing, Packaging, Pharmaceutical 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 temperature.
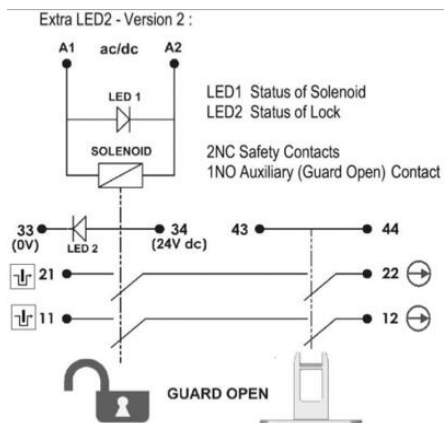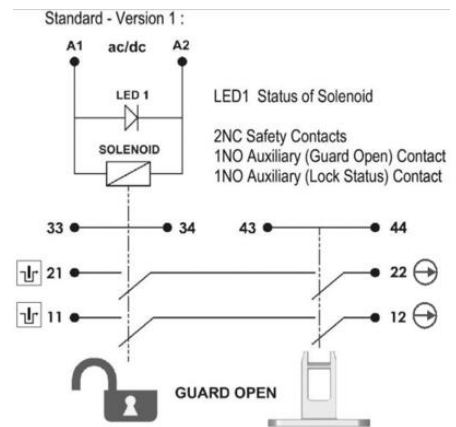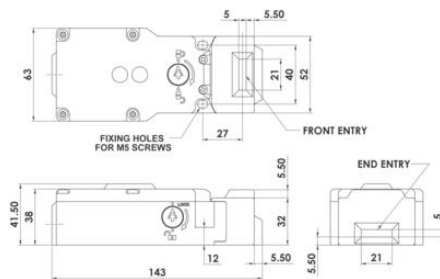
They have a low compact body profile with fixing holes on an industry standard 40mm centre to enable easy fitting to new or existing guards (or where replacement of a non locking tongue switch is required).

The head will rotate to provide up to 4 actuator entry positions.

Specifications

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
Central Material	Stainless steel 316
Conduit entry	1/2" NPT
Contact Type	2NC safety contacts, 1NO auxiliary contact (guard open)
Contacts	2NC 1NO
Head material	Stainless steel 316
Holding force (F1Max)	2000

IP Class	IP69K, IP67
LED Display	LED2 lock status: closed and locked, LED1 solenoid power
Manual Operation	Standard manual release lid and side
Maximum approach / withdrawal speed	600
Mechanical reliability B10d	2.5×10^6 operations at 100mA load
Mounting	2 x M5
MTTFd	356 years
Operating temperature	-25..50°C
PFHd	3.44×10^{-8}
PL	e acc. ISO13849-1
Rated insulation voltage	600V ac
SIL	3 acc. EN62061
Solenoid Voltage	110V ac
Thermal current (Ith)	5
Travel for positive opening	10
Utilisation category	AC15, A300, 3 A
Withstand voltage	2500V ac

FIXING HOLES FOR M5 SCREWS

5 — 5.50
21 — 40 — 52
63
27

FRONT ENTRY

END ENTRY

41.50 — 38
5.50
32
5.50
143
12 — 5.50
21
5

Standard - Version 1 :

A1   ac/dc   A2

LED 1

LED1 Status of Solenoid

SOLENOID

2NC Safety Contacts
1NO Auxiliary (Guard Open) Contact
1NO Auxiliary (Lock Status) Contact

33 ●——————● 34   43 ●——————● 44

21 ●————————————● 22

11 ●————————————● 12

GUARD OPEN

Extra LED2 - Version 2 :

A1   ac/dc   A2

LED 1

LED1 Status of Solenoid
LED2 Status of Lock

SOLENOID

2NC Safety Contacts
1NO Auxiliary (Guard Open) Contact

33 ●—▷—● 34   43 ●——————● 44
(0V) LED 2 (24V dc)

21 ●————————————● 22

11 ●————————————● 12

GUARD OPEN

	6.0	5.0	0mm
11/12	Open		
21/22	Open		
33/34			Open
43/44		Open	