OEM AUTOMATIC

OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

IDEM LOCKING SWITCH KL1-P
221002A
KL1-P ½NPT 24v LED only - std actuator

- Electric release
- 4 key entry positions
- 1 or 2 x LED indicator
- Locking force up to 1400 N
- Compact dimensions 63 mm x 143 mm

PRODUCT DESCRIPTION

Locking switch with locking LEILOCK KL1-P, made of plastic (polyester), with locking force up to 1400N. The breaker head is made of stainless steel. The switch has 1 or 2 LEDs that show the status of the solenoid and the state of the blockage. It also has a rotatable head, which provides 4 key entry positions for easy and flexible mounting. The KL1-P switch has a standard spacing between the mounting holes - 40 mm.
In the event of a voltage drop, the switch can be opened in an emergency without any special keys. The switch is available in the version: voltage release.
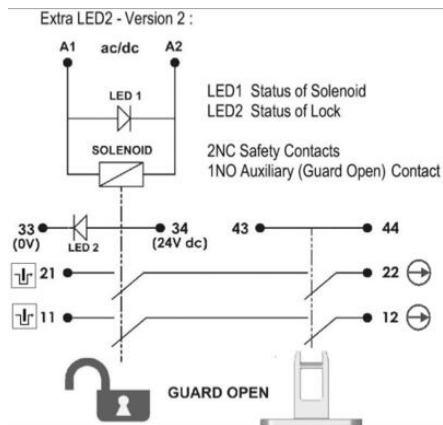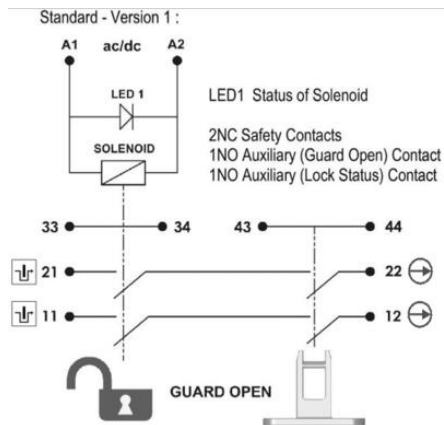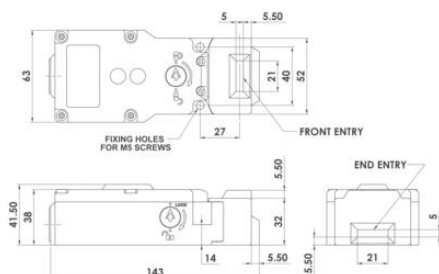
TECHNICAL DATA

Actuator	Standard
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	1/2" NPT
Contact type	2NC safety contacts, 1NO auxiliary contact (guard open), 1NO auxiliary contact (lock open)
Contacts	2NC 2NO
Head material	Stainless steel 316
Holding force (F1Max)	1400 N
Housing material	Polyester
IP class	IP67
LED indication	LED1 solenoid power
LED supply voltage	24Vdc
Manual operation	Standard manual release lid and side

Maximum approach / withdrawal speed	600 mm/s
Mechanical reliability B10d	2.5 x 10⁶ 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	24V ac/dc
Thermal current (Ith)	5 A
Travel for positive opening	10 mm
Utilisation category	AC15, A300, 3 A
Withstand voltage	2500V ac

Standard - Version 1 :

LED1 Status of Solenoid

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

GUARD OPEN

Extra LED2 - Version 2 :

LED1 Status of Solenoid
LED2 Status of Lock

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

GUARD OPEN

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

63

5 · 5.50

21 · 40 · 52

FIXING HOLES
FOR M5 SCREWS

27

FRONT ENTRY

END ENTRY

41.50 · 38

5.50

32

5.50

21

5

143

14 · 5.50

Standard - Version 1 :

A1 ac/dc A2

LED 1

SOLENOID

LED1 Status of 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

SOLENOID

LED1 Status of Solenoid
LED2 Status of Lock

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

33 (0V) · LED 2 · 34 (24V dc) · 43 · 44

21 · 22

11 · 12

GUARD OPEN

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