Guard Locking Switch Plastic Type: LEILOCK KL1-P

FEATURES:



Solenoid Locking Interlock Safety Switch featuring Guard Holding up to 1400N (140Kg) (F1Max)

The KL1-P Series Guard Locking switches have a compact plastic body design and have been developed with a holding force of 1400N to keep small to medium quard doors closed until hazards have been removed.

IP67 enclosure protection is maintained by a double seal lid gasket design and metal fixings.

The KL1-P switch has a low profile and fixing holes are 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.

CONTACTS/LED DIAGNOSTICS:

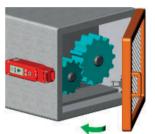
unlock

STANDARD - Version 1:

EXTRA LED2 - Version 2:

2NC Safety Contacts 1NO Auxiliary Contact (Guard Open) 1NO Auxiliary Contact (Lock Open) LED1 Solenoid Power

2NC Safety Contacts 1NO Auxiliary Contact (Guard Open) LED2 Lock Status: Closed and Locked LED1 Solenoid Power



Hinged Guard



Sliding Guard





ACTUATOR OPTIONS (see p100)









Standards:

ISO14119 EN60947-5-1 EN60204-1 ISO13849-1 EN62061 UL508

Safety Classification and Reliability Data: 2.5 x 10⁶ operations at 100mA load Mechanical Reliability B10d ISO13849-1 Up to PLe depending upon system architecture EN62061 Up to SIL3 depending upon system architecture Safety Data - Annual Usage 8 cycles per hour/24 hours per day/365 days MTTFd 356 years Solenoid Voltage (by Sales Number) 24V ac/dc or 110Vac or 230Vac Solenoid Wattage 12W LED 2 Version Supply Voltage 24Vdc Utilization Category AC15 A300 3A Thermal Current (Ith) 5A Rated Insulation/Withstand Voltages 600Vac/2500Vac Travel for Positive Opening 10mm Actuator Entry Minimum Radius 175mm Standard 100mm Heavy Duty 600mm/s Maximum Approach/Withdrawal Speed E1Max 1400N Ezh 1076N Holding Force Polyester Body Material Head Material Stainless Steel 316 **Enclosure Protection** IP67 -25C +50C Operating Temperature IEC 68-2-6 10-55Hz + 1Hz Vibration Excursion 0.35mm 1 octave/min Conduit Entry Various (See Sales Number) Fixing 2 x M5

FUNCTIONAL SPECIFICATIONS:

Positive Break Contacts to EN60947-5-1 High Functional Safety to ISO13849-1 High specification polyester housing with Stainless Steel Head Connects to most Safety Relays to give up to PLe Cat.4 Will fit on 40mm fixing centres 2 manual override points Universal M12 8 way microlock Quick Connector version available for ease of installation

ACCESSORIES (see p100-101)

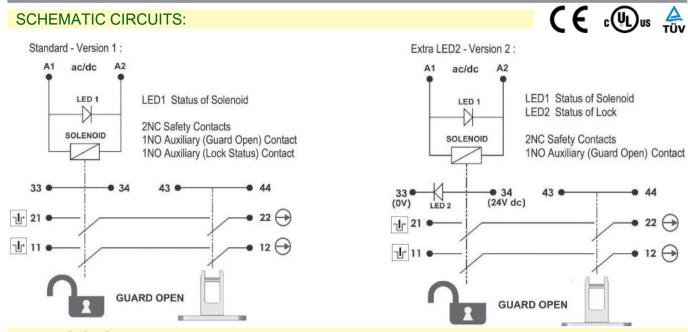


Fits to switch aperture during maintenance and provides multiple padlock holes.

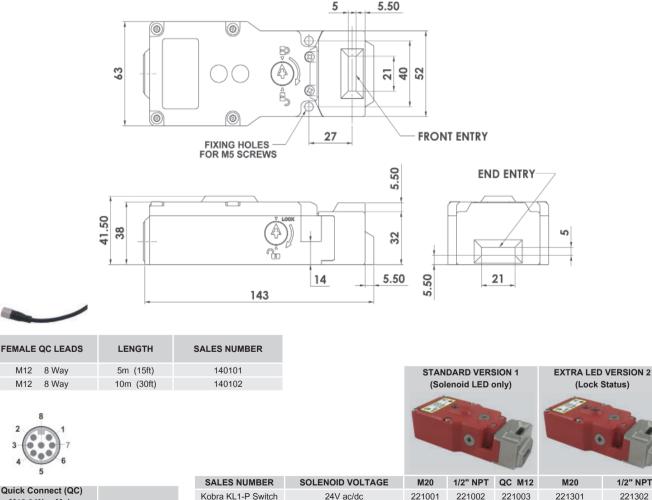
INSERTION OF ACTUATOR

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

Guard Locking Switch Plastic Type: LEILOCK KL1-P



DIMENSIONS:



110V ac

230V ac

Kobra KL1-P Switch

Kobra KL1-P Switch

Quick Cor		
M12 8 W	Switch Circuit	
(on Flying L Pin View fr		
1 111 110 10 11	onitowitch	
2	7	A1 A2
4	6	11/12
8	5	21/22
3	1	43/44

For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed actuator inserted.

Kobra Actuator Standard Add A to Sales Part Number Kobra Actuator Flat Add F to Sales Part Number Kobra Actuator Heavy Duty Flexible Add HF to Sales Part Number Kobra Actuator S/Steel Heavy Duty Flexible Add HFH to Sales Part Number Ordering Examples: Kobra KL1-P 24V Solenoid M20 Conduit LED2 Version Heavy Flexible Actuator: Sales Number: 221301-HF

Kobra KL1-P 110V Solenoid 1/2" NPT Conduit Standard Version Standard Actuator: Sales Number: 221005-A

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