

SAFETY KEY INTERLOCK SWITCHES





- Critical Stopping Power
- Reduces Risk to Safeguard Workplace
- Tough Plastic Construction

The E48 DIN-Style Safety Key Interlock Limit Switch is designed to be used with movable guards or covers which must be closed for operational safety. The key portion of the switch is affixed to the movable door, cover or other such guard. The switch itself is mounted to a rigid portion of the machine. When the guard is opened, the key is removed from the switch, thereby positively breaking the normally closed contacts. This interrupts the control circuit, stopping machine operation.

SPECIFICATIONS

Ambient Temperature: Operation and Storage: -30 to 70°C (-22 to 158°F) minimum temperature is based upon absence of freezing water or moisture Enclosure Ratings: NEMA 4, IP65 (indoor only) conforming to IEC 529. Care must be taken that contaminants do not enter the actuating key area as this may prevent the switch from performing to specifications

Ambient Humidity: 95% maximum, non-condensing

Weight: 76 g (0.17 lb)

Housing Material: Synthetic resin
Vibration Resistance: 10 G in both
vertical and horizontal axis (from 10 to
500 Hz) conforming to IEC 68-2-27
Shack Resistance: 30 G in both vertical

Shock Resistance: 30 G in both vertical and horizontal axis conforming to IEC

68-2-27

Mechanical Life: 1 million operations

minimum

Electrical Life: 150,000 operations

minimum

Short Circuit Protection

Recommended: 10 A fuse (type gl

or qG) (IEC 269)



Rated Insulation Voltage: 400 V (EN 60947-5-1)

Electric Shock Protection: Insulation Class II (IEC 536)

Operating Force (extraction):

14.7 N (3.30 lbf)

Release Force (insertion):

29.4 N (6.60 lbf)

Total Travel: 1.10" minimum

(28 mm)

Pretravel: 0.24 ± 0.10" minimum

 $(6 \pm 3 \text{ mm})$

Direct Opening Force: 58.8 N (13.2 lb f)

minimum

Operating Speed: 0.04 to 20 inches/ second (1 to 500 mm/second) Operating Frequency: 30 operations/

minute maximum **UL Listed:** File 76675

Europe Compliance: EN 609478-5-1 Direct-opening N C contacts per EN 60947-5-1 Double insulation

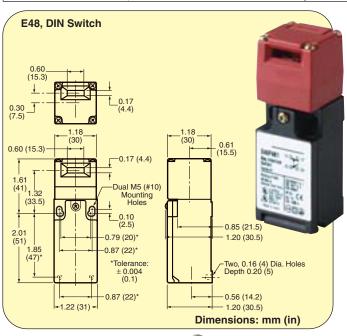
TUV Rheinland: Approved Contacts: 1 NO/1 NC DPDB

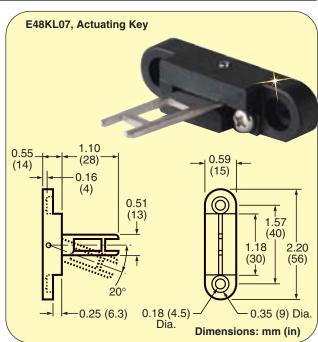
2 NC DPDB

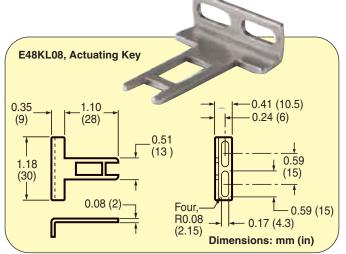


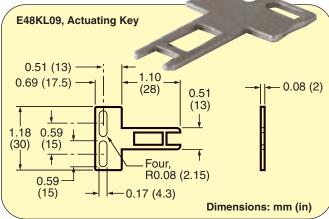
SPECIFICATIONS

	CURRENT			MAXIMUM VA	
RATED VOLTAGE	THERMAL CONTINUOUS	MAKE	BREAK	MAKE	BREAK
120 Vac	10 A	60 A	6.0 A	7200 VA	720 VA
240 Vac	10 A	30 A	3.0 A	7200 VA	720 VA
480 Vac	10 A	15 A	1.5 A	7200 VA	720 VA









To Order (Specify Model Number)		ALL MODELS AVAILABLE FOR FAST DELIVERY!	
MODEL NO.	PRICE	DESCRIPTION	
E48P4K1	£29.50	E48 plastic DIN key interlock switch, 1 NO/1 NC DPDB slow action	
E48P4K0	29.50	E48 plastic DIN key interlock switch, 2 NC DPDB slow action	
ACTUATING KEYS			
E48KL07	£10.50	£10.50 Adjustable self aligning, 200 mm (7.8") min. key insertion radius	
E48KL08	3.00	Vertical, 200 mm (7.8") min. key insertion radius	
E48KL09	6.10	Horizontal, 200 mm (7.8") min. key insertion radius	

NOTE: N O and N C contacts are defined with the key fully engaged in the switch. Comes with complete operating manual.

Ordering Example: E48P4K1, switch, E48KL07, actuating key, £29.50 + 10.50 = £40.00

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