

SLM11 Series 2 Contacts Safety Door Switch



Safety Protection Forced Lock

- EN 60947-5-1/IEC60947-5-1
- GB/T 14048.5
- EN ISO 14119/ISO 14119
- GB/T 18831



Product Introduction

The 2 contacts safety door switch can be easily installed in narrow space, greatly improve the ease of use. Rotated head support various insertion of operating key and ensure flexible installation to save time spend on installation and wiring. This design is suitable for site with low safety performance index requirements such as injection molding machines.

Product Feature

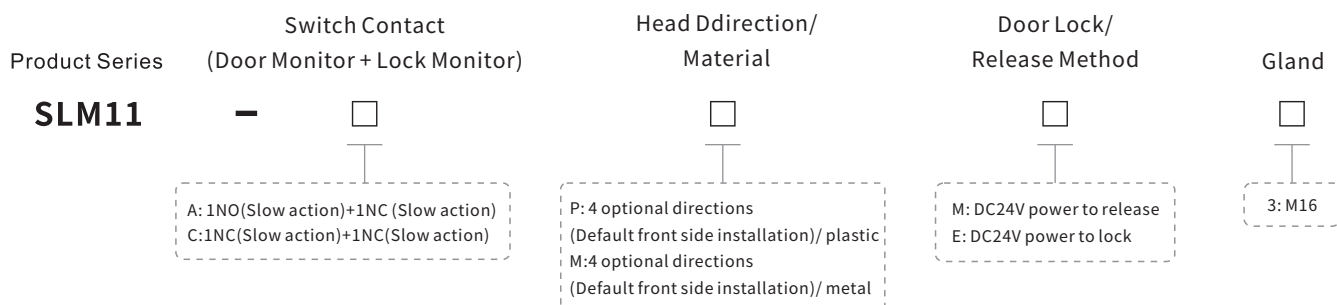
- Holding force 1300N.
- IP67 protection rate.
- Multiple rotated direction.
- Support general load and micro-load.

SLM11 Series Safety Door Switch

Technical Parameter

Electromagnetic Tube		
Rated Operating Voltage	DC24V	
Power	4.8W	
Rated Current	Approximate 200mA	
Insulation	Class B (130°C)	
LED Indicator		
Rated Operating Voltage	DC24V	
Rated Current	Approximate 1mA	
Luminous Color (LED)	Green	
Safety Level	PL d (ISO 13849-1)	
Certificates	TÜV Rheinland	
Standard	EN60947-5-1、IEC60947-5-1. GB/T 14048.5、 EN ISO 14119.GB/T 18831	
Protection Rate	IP67	
Material	PA66 fire retardant	
Mechanical Lifespan	Over 1,000,000 times	
Electrical Lifespan	Over 15,000 times	
Using Type	AC-15	DC-13
Rated Operating Voltage (Ue)	240V	24V
Rated Operating Current (Ie)	3A	2A
Electrical Parameters		
Contact Resistance	<200 mΩ	
Nominal Discharge Current (Ith)	10A	
Rated Insulation Voltage (Ui)	300V	
Anti-electric Shock Level	Class II (Dual Insulation)	
Pulse Withstand Voltage (EN60947-5-1)	2.5KV	
Insulation Resistance	100MΩ above	
Short-circuit Protection	10A, 250V requires a quick-break fuse	
Vibration Resistance	10-55Hz double amplitude 1.5mm	
Impact Resistance	Durability 1000m/s²	
Conditional Short-circuit Current	100A (EN 60947-5-1)	
Space of Contact	2×2mm above	
Action Characteristic		
Direct Opening Force	Min.60N	
Direct Opening Travel	Over 10mm	
Allowed Operating Speed	0.1 m ~ 0.5m/s	
Allowed Operating Frequency	Maximum 30 times/minutes	
Holding Force	1300N	
Environment		
Operating Environment	3 (EN60947-5-1)	
Operating Temperature	-10°C~+55°C (no freezing)	
Operating Humidity	<95%RH	

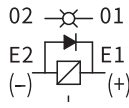
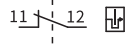
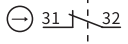
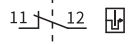
✈ Model Selection (e.g.:SLM11-APM3)



📄 SLM11 Model Selection Table

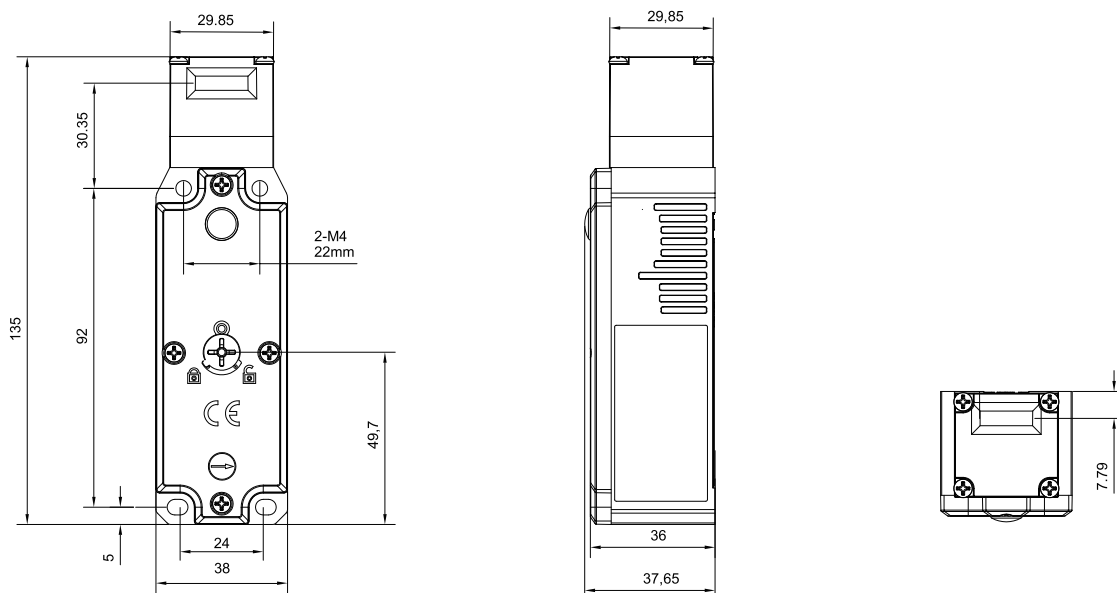
Head Material	Magnetic Voltage/ Indicator	Lock/Release Method	Contact Type (Door Monitor + Lock Monitor)	Gland Size	Model
Plastic	Electromagnetic DC24V Green LED	Power to release	1NO+1NC	M16	SLM11-APM3
			1NC+1NC	M16	SLM11-CPM3
		Power to lock	1NO+1NC	M16	SLM11-APE3
			1NC+1NC	M16	SLM11-CPE3
Metal	Electromagnetic DC24V Green LED	Power to release	1NO+1NC	M16	SLM11-AMM3
			1NC+1NC	M16	SLM11-CMM3
		Power to lock	1NO+1NC	M16	SLM11-AME3
			1NC+1NC	M16	SLM11-CME3

🔗 Contacts Action

Model	Contact (Door Monitor+ Lock Monitor)	Wire Diagram		Contact Action
		Door Monitor	Lock Monitor	 Contact ON  Contact OFF
	door monitor lock monitor NC  NC  NO  NO 			Operation key complete insertion → Travel → Operation key extraction 
SLM11-AP□□ SLM11-AM□□	1NO+1NC			Lock position 
SLM11-CP□□ SLM11-CM□□	1NC+1NC			Lock position 

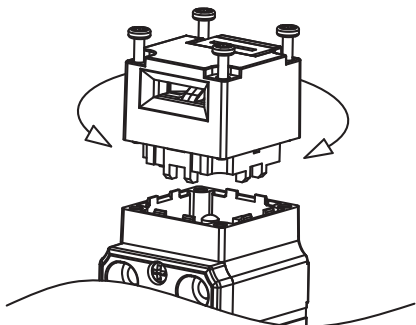
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Product Size

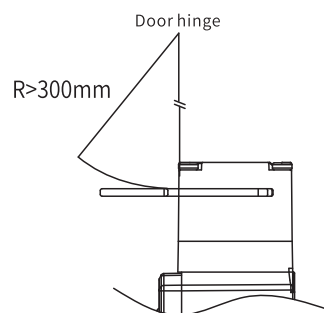


Product Installation

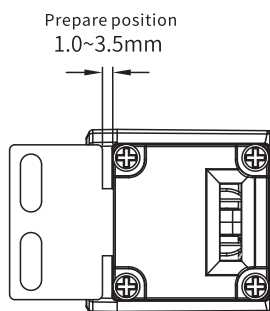
- ★ Loosen 4 screws on top of head, rotate the head to the right key inserting position and then install it.



- ★ When install on slide hung door, it should be over than semidiameter.



- ★ Please install the safety switch and insertion key under range 1-3.5mm.



- ★ The installation of operation key allows $\pm 1\text{mm}$ deviation within the key insertion center of the hole.

