

SSM11 Series

Mechanical Safety Door Switch



Product Introduction

New generation safety door switch save labor and is environment beneficially. Equipped with 2NC/1NO and 3NC contact structure of 3 contact type. Mechanical design only used for monitoring door close/open.

Product Feature

- Optional contacts.
- Support general load and micro-load.
- Simple installation and wiring to save labor and install easily.
- Rotated head.

SSM11 Series Safety Door Switch

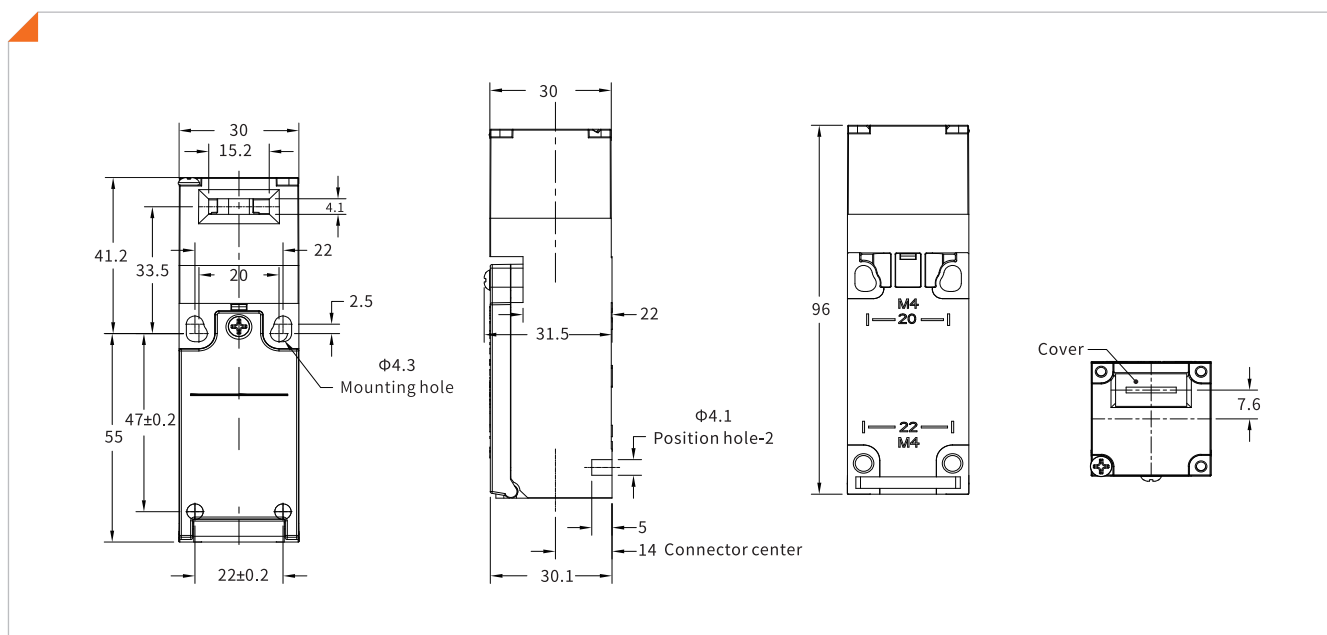
Technical Parameter

Safety Level	PL d (ISO 13849-1)	
Certificates	CE	
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	
Rated Operating Current (Ie)	3A	2A
Electrical Parameters		
Contact Resistance	< 200 mΩ	
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 (<500VDC)	
Short-circuit Protection	10A, 250V requires a quick-break fuse	
Vibration Resistance	10-55Hz double amplitude 1.5mm	
Impact Resistance	Durability 1000m/s ²	
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 20 times/minutes	
Environment		
Operating Environment	3 (EN60947-5-1)	
Operating Temperature	-10°C~+60°C (no freezing)	
Operating Humidity	< 85%RH	

Model Selection (e.g.:SLM11-AP2)

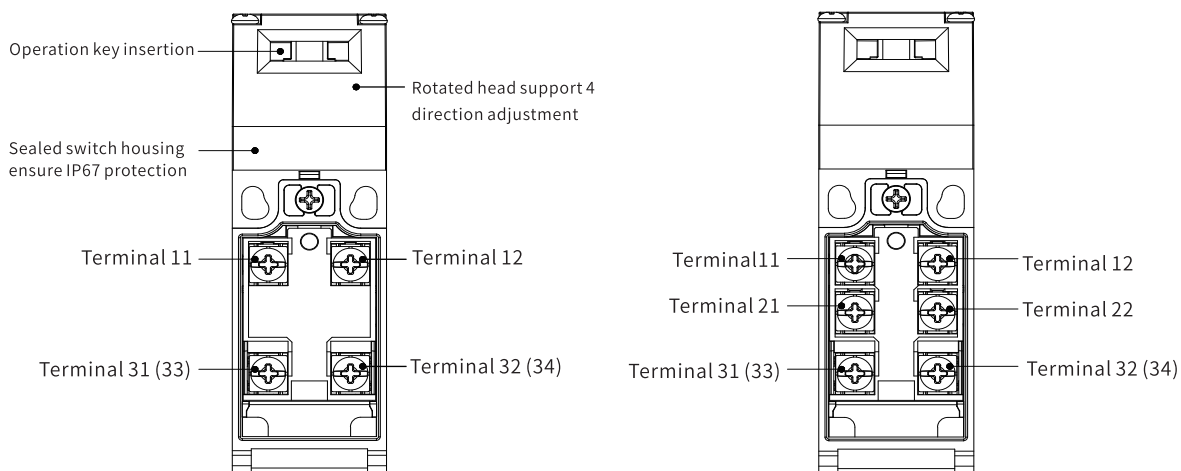
Product Series	Internal Switch	Head Ddirection/ Material	Gland
SSM11	—		
	 A:1 NC/1NO (Slow action) B:2NC (Slow action) C:2NC/1NO (Slow action) D:3NC (Slow action)	 P: 4 optional directions(front side as ex-work setting)/plastic M: 4 optional directions(front side as ex-work setting)/ metal	 2: M20

Product Size



Contacts Action

Note: The terminal arrangement of the extended form is the same



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SSM11 Model Selection Table

Head Material	Contact Type	Gland Size	Model
Plastic	1NC/1NO	M20	SSM11-AP2
	2NC	M20	SSM11-BP2
	2NC/1NO	M20	SSM11-CP2
	3NC	M20	SSM11-DP2
Metal	1NC/1NO	M20	SSM11-AM2
	2NC	M20	SSM11-BM2
	2NC/1NO	M20	SSM11-CM2
	3NC	M20	SSM11-DM2

Contacts Action

Picture shows the state of key inserting and locked.

Model	Contact	Wire Diagram	Contact Action
SSM11-AP2 SSM11-AM2	1NO+1NC		Operation key complete insertion Operation key extraction Travel → 11--12 33--34 Contact ON (orange bar) Contact OFF (white bar)
SSM11-BP2 SSM11-BM2	2NC		Operation key complete insertion Operation key extraction Travel → 11--12 31--32 Contact ON (orange bar) Contact OFF (white bar)
SSM11-CP2 SSM11-CM2	2NC/1NO		Operation key complete insertion Operation key extraction Travel → 11--12 21--22 33--34 Contact ON (orange bar) Contact OFF (white bar)
SSM11-DP2 SSM11-DM2	3NC		Operation key complete insertion Operation key extraction Travel → 11--12 21--22 31--32 Contact ON (orange bar) Contact OFF (white bar)