

MULTI-ENTRY TRAPPED KEY-OPERATED SAFETY INTERLOCK SWITCH SS6292/SSD6292 SERIES

Features

- Robust zinc die cast head assembly with glass fiber reinforced plastic body or zinc die cast body
- Solenoids voltage: 24VDC
- Key holding force of 1,300N minimum
- Flexible switching arrangement with up to 6 sets of contact
- Multi-direction mounting
- Positive opening of NC contacts
- Safety category: PLe/4 equivalent



Specifications

Operating Speed	0.05mm-1m/sec
Rated Current/Voltage	10A/600V AC (EN60947-5-1) AC15 A300 / DC13 Q300
Holding Force	1,300N min.
Contact Resistance	200 mΩ max.
Service Life	Mechanically 1,000,000 (operations) Electrically 150,000 (operations)
Operating Temperature	-10~+55°C (14~131°F)
Protection against electric shock	Class II (double insulation)
Pollution degree	3
Vibration Resistance	10 to 55 Hz, -.35 mm single amplitude
Shock Resistance	80m/s ² min.
Dielectric Strength	1500VAC for 1 minute between terminals 2500VAC for 1 minute between terminals and non-current carrying parts
Degree of Protection	IP 67 NEMA Types 4X
Safety Category	PLe/4 equivalent
Mechanical Reliability B _{10d}	2,500,000 ops
MTTF _d	356 years (8 cycles per hour/24hours per day)
Solenoid Coil Characteristic	24V: +10%, -15%, 4W

Electrical Ratings

IEC 60947-5-1 / EN 90947-5-1							
Designation & Utilization Category	Rated operational current I _e (A) at rated operational voltage U _e					VA rating	
	120V	240V	380V	480V	600V	Make	Break
AC15 A300	6A	3A	1.9A	1.5A	1.2A	7200	720
DC13 Q300	0.55	0.27				69	69

Selection Guide:

SS6292 -	SL23E -	U -	24 -	L1 -	A -	R -	L
Body Style	Contact Configuration	Solenoid Voltage	LED Indicator	Conduits			
SS6292: Metal body SSD6292: Plastic body		U: Power to unlock N: Power to lock	Blank: None L1: With LED 24VDC	A: 1/2"NPT C: M20	Blank: Standard reset R: With add-on reset block	Blank: Right-hand interlock L: Left-hand interlock	

Contact Configuration

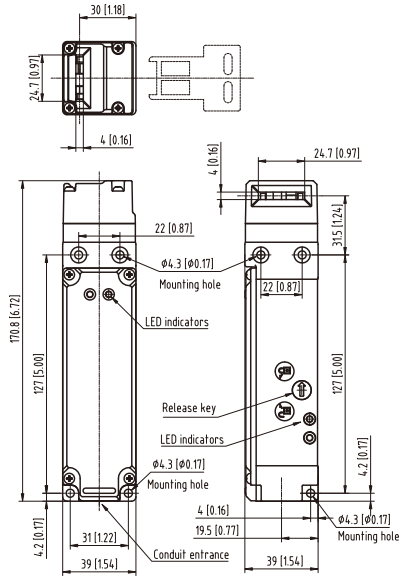
Contact Block Code	Door Open/Closed Detection Contact	Contact Form			Travel Diagram
		Key Inserted	Key Inserted Solenoid Power On/off	Key Extracted	
SL22A	1NC/1NO+1NC/1NO	Lock Monitor Door Detection 42 41 12 ⊖ 11 64 63 34 33	Lock Monitor Door Detection 42 41 12 ⊖ 11 64 63 34 33	Lock Monitor Door Detection 42 41 12 ⊖ 11 64 63 34 33	▼ Lock position 42-11 34-33 64-63 Key Insertion Key Extraction
SL13B	1NC/1NO+2NC	Lock Monitor Door Detection 42 41 12 ⊖ 11 62 61 34 33	Lock Monitor Door Detection 42 41 12 ⊖ 11 62 61 34 33	Lock Monitor Door Detection 42 41 12 ⊖ 11 62 61 34 33	▼ Lock position 42-11 34-33 62-61 Key Insertion Key Extraction
SL13C	2NC+1NC/1NO	Lock Monitor Door Detection 42 41 12 ⊖ 11 64 63 32 31	Lock Monitor Door Detection 42 41 12 ⊖ 11 64 63 32 31	Lock Monitor Door Detection 42 41 12 ⊖ 11 64 63 32 31	▼ Lock position 42-11 32-31 64-63 Key Insertion Key Extraction

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Contact Block Code	Door Open/Closed Detection Contact	Contact Form			Travel Diagram
		Key Inserted	Key Inserted Solenoid Power On/off	Key Extracted	
SL04D	2NC+2NO				
SL22S	1NC/1NO+1NC/1NO				
SL13T	1NC/1NO+2NC				
SL13U	2NC+1NC/1NO				
SL04V	2NC+2NC				
SL23E	2NC/1NO+1NC/1NO				
SL14F	2NC/1NO+2NC				
SL14G	3NC+1NC/1NO				
SL05H	3NC+2NC				
SL24N	2NC/1NO+2NC/1NO				
SL15P	2NC/1NO+3NC				
SL15Q	3NC+2NC/1NO				
SL06R	3NC+3NC				

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Dimensions



Choice of Actuating Keys

