

MULTI-ENTRY TRAPPED KEY-OPERATED SAFETY INTERLOCK SWITCH SSD4691 SERIES

Features

- Robust zinc die cast head assembly with glass fiber reinforced plastic body
- Three solenoids voltages: 24VAC/DC, 120VAC and 240VAC
- Key holding force of 1,300N minimum
- Flexible switching arrangement with up to 5 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 65 (IP67 available upon request)
Safety Category	PLe/4 equivalent
Mechanical Reliability B10d	2,500,000 ops
MTTFd	356 years (8 cycles per hour/24hours per day)
Solenoid Coil Characteristic	24V: +10%, -15%, 4W 120VAC: +10%, -15%, 8W 240VAC: +10%, -20%, 9W

Electrical Ratings

Designation & Utilization Category	IEC 60947-5-1 / EN 90947-5-1					VA rating	
	Rated operational current Ie (A) at rated operational voltage Ue					Make	Break
AC15 A300	120V	240V	380V	480V	600V	7200	720
	6A	3A	1.9A	1.5A	1.2A		
DC13 Q300	125VDC 250VDC					69	69
	0.55	0.27					

Selection Guide:

SSD4691	-	SL14F	-	U	-	24	-	L1	-	A
		Contact Configuration (see below)		Locking Type		Solenoid Voltage and Power		LED Indicators		Conduits
				U: Power to unlock N: Power to lock		24: 20-26VAC 20-28VDC 120: 100-120VAC 240: 200-240VAC		None: No LED L1: With LED (12-277V AC/DC)		A: 1/2"NPT B: PG13.5 C: M20

Contact Configuration

Contact Block Code	Door Open/Closed Detection Contact	Lock Monitor Contact	Contact Form		Travel Diagram
			Door Detection	Lock Monitor	
SL23E	2NC/1NO	1NC/1NO			
SL14F	2NC/1NO	2NC			
SL14G	3NC	1NC/1NO			
SL05A	3NC	2NC			

