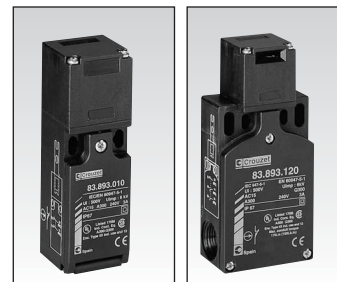


# Miniature Plastic Key Lock Limit Switches Series 83 893 0 / 83 893 1 IP 67

- Key-operated safety interlock switches for monitoring the moving cover
- Plastic bodies and heads
- Heads have 4 possible positions
- Positive opening contacts



## General characteristics

### Environment

Conforming to standards	Products	IEC 947-5-1, EN 60 947-5-1, UL 508, CSA C22-2 no.14, JIS C4520 (See P. 2/2 and 2/3)
	Machine assemblies	IEC 204-1, EN 60 204-1, EN 1088, EN 292
Certifications		UL, CSA
Protective treatment		In normal operation: "TC"
Temperature	Use	-25°C, +70°C
	Stored	-40°C, +70°C
Vibration resistance		5 gn (10...500 Hz) according to IEC 68-2-6
Shock resistance		10 gn (duration 11 ms) according to IEC 28-2-27
Degree of protection		IP 67 according to IEC 529 and IEC 947-5-1
Cable entry		Cable gland 11

### Electrical characteristics

Assigned working characteristics	AC 15 A 300 Ue = 240 V, Ie = 3A or Ue = 120 V, Ie = 6 A DC 13 Q 300 Ue = 250 V, Ie = 0.27 A or Ue = 125 V, Ie = 0.55 A
Assigned insulation voltage	Ui = 500 V according to IEC 947-5-1 Ui = 300 V according to UL 508, CSA C22-2 no. 14
Assigned impulse voltage	Uimp = 6 KV acc. to IEC 947-5-1
Thermal rating	Ithe = 10 A according to IEC 947-5-1
Electric shock protection	Class 2 according to IEC 536
Resistance between terminals	30 m according to IEC 954-5-4
Short-circuit protection	Cartridge fuse 10 A gG (gl)
Connection	Screw clamp terminals Clamping capacity min. 1 x 0.5 mm <sup>2</sup> , max. 1.5 mm <sup>2</sup> with or without ferrule
Electrical life	According to IEC 947-5-1 appendix C

## Part numbers






### Type of contact

NC+NO	2-pole contact NC+NO break before make, slow action	<b>83 893 001</b>
NC+NC	2-pole contact NC+NC, slow action	<b>83 893 010</b>
NC+NO+NO	3-pole contact NC+NO+NO (2 NO bbm) + slow action	<b>83 893 120</b>
NC+NC+NO	3-pole contact NC+NC+NO (NO bbm) + slow action	<b>83 893 130</b>

### Additional characteristics

Maximum actuation speed	0.5 m/s	0.5 m/s
Minimum actuation speed	0.01 m/s	0.01 m/s
Resistance to removal of key	10 N	10 N
Mechanical life	1 million operating cycles	1 million operating cycles
Maximum operating frequency	600 operating cycles per hour	600 operating cycles per hour
Minimum positive opening force	15 N	15 N
Pg 11 cable entry according to NFC 68 300	1	2
Thermal rating (Ith)	10 A	10 A
Assigned insulation voltage (Ui)	500 V	500 V
Weight	0.110 kg	0.160 kg

## Accessories

Straight key		<b>79 214 581</b>
Key with wide fixing bar		<b>79 214 582</b>
Short key with wide fixing bar		<b>79 214 585</b>
Angled key		<b>79 214 584</b>
Flexible key		<b>79 214 583</b>

## To order, specify:

### Standard products

**1**

Part number

Example: Safety limit switch 83 893 001 - Straight key 79 214 581

**2**

Accessory

### Standard products, non stocked

**2**

Accessory

Example: Straight key 79 214 581

Products and specifications subject to change without notice.

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