



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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		
Protective treatment		
Temperature	Use	In normal operation: "TC"
	Stored	-25°C, +70°C
Vibration resistance		
Shock resistance		
Degree of protection		
Cable entry		

Electrical characteristics

Assigned working characteristics	AC 15 A 300 Ue = 240 V, Ie = 3 A 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	
Thermal rating	
Electric shock protection	
Resistance between terminals	≤ 30 m according to IEC 954-5-4
	Cartridge fuse 10 A gG (gl)
Connection	
Electrical life	

Part numbers


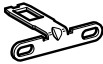



Type of contact

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

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		
Maximum operating frequency	1 million operating cycles	1 million operating cycles
Minimum positive opening force		
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		

Accessories

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

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

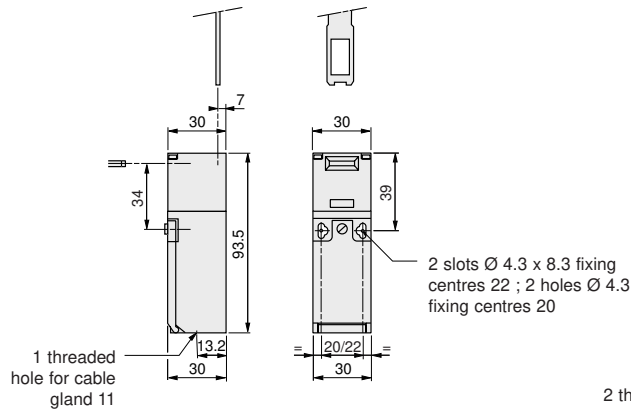
Accessory
Example: Straight key 79 214 581

Products and specifications subject to change without notice.

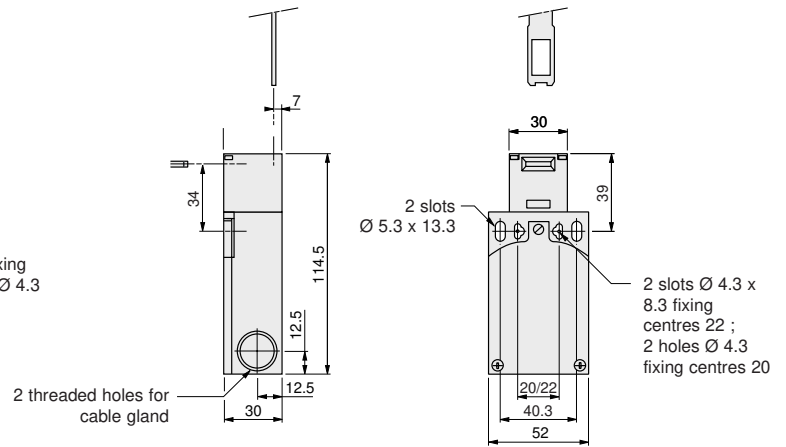
Order/Technical Support – Tel: (800) 677-5311 / FAX: (800) 677-3865 / www.crouzet-usa.com

Dimensions

83 893 0



83 839 1



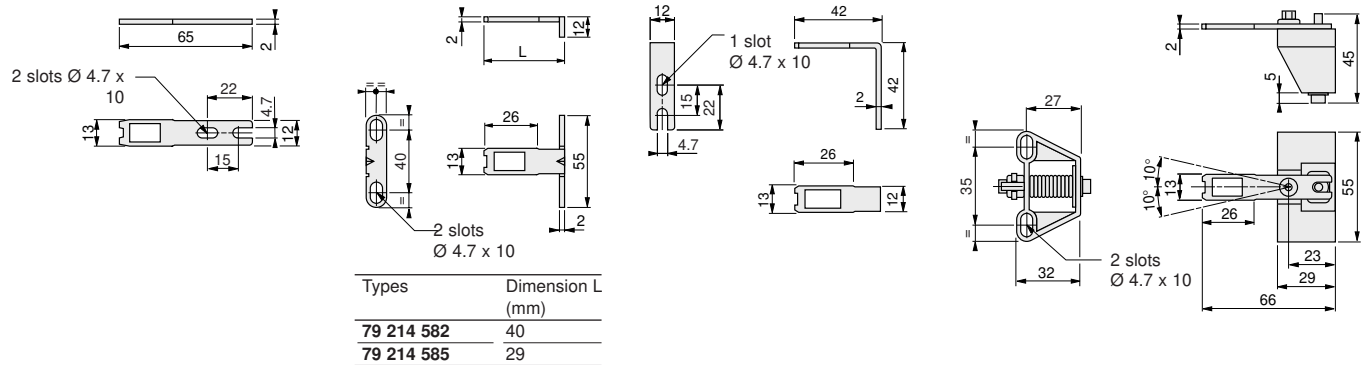
Accessories

79 214 581

79 214 582 / 585

79 214 584

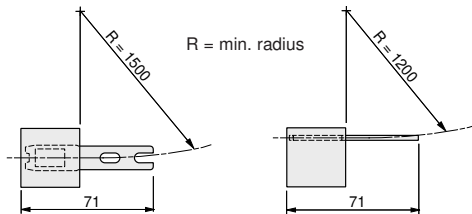
79 214 583



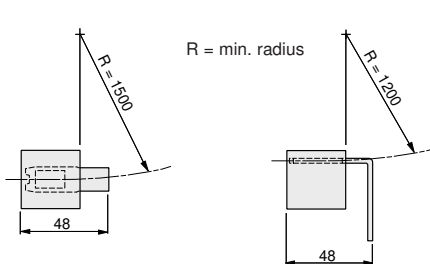
Operating radius

79 214 581

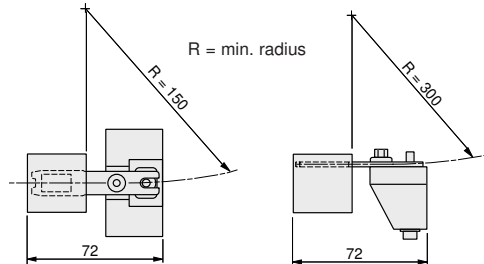
79 214 582 / 585



79 214 584



79 214 583



Types	Dimension d (mm)
79 214 582	46
79 214 585	35

Other information

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