

Sealed Limit Switches Telescopic-Actuator Series 83 581

Conforms to the following standards : NFC 20030 class II -
NFC 20010

Degree of protection : IP 67

Contact type : Three terminal single break contact element
(Form C: SPDT)

Layout :



Electrical characteristics :

Assigned working currents (Ie): standard 10 A - 250 V~
low current 0.1 A - 250 V~

Electrical endurance :

Standard : 10 A - 250 V : 40 000 operations
5 A - 250 V : 100 000 operations

Low current : Designed for use from 1 to 100 mA at 4 to 30 volts.
In these conditions, the electrical endurance exceeds
the mechanical life.

Connections :

Flexible leads 3x1 mm². Length 0.50 m

Cable 3x0,75 mm². Length 0.50 m

Core connections: 1: black

2: brown

4: blue

Versions

Features

Standard

Low current

Operating devices

Telescopic top-mounted plunger

Plunger with axial roller - standard

Plunger roller at 90° (G 90) - Consult Factory

Contact Type

Form C – SPDT

Mechanical characteristics

Minimum operating force N (oz)

Minimum total travel force N (oz)

Movement differential mm (in)

Minimum operating travel mm (in)

Total travel max. mm (in)

Mechanical life Operations

Temperature limits °C (°F)

Degree of protection

Weight g (oz)

Connections

Flexible leads Lead position - right (D)

Lead position - left (G)

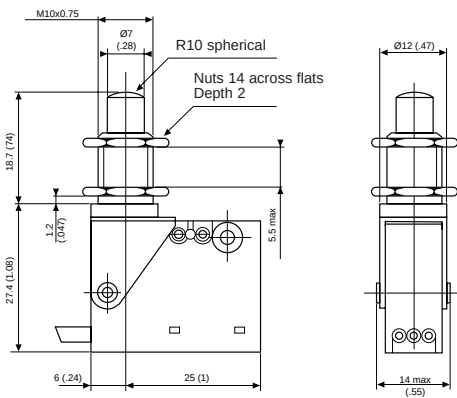
Cable Output on left

* Rating restricted to 8A

Dimensions

mm(in)

83 581 0



Other information

For other accessories and special contacts, or special modes of operation, please consult factory.

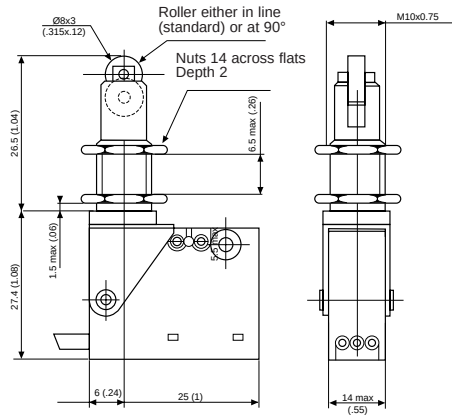
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Order/Technical Support – Tel: (800) 677-5311 / FAX: (800) 677-3865 / www.crouzet-usa.com



83 581 0		83 581 1	
S	B	S	B
.	.	.	.
C	C	C	C
5 (17.6)	5 (17.6)	5 (17.6)	5 (17.6)
20 (70.5)	20 (70.5)	20 (70.5)	20 (70.5)
1 (.04)	1 (.04)	1 (.04)	1 (.04)
2.5 (.1)	2.5 (.1)	2.5 (.1)	2.5 (.1)
5.5 (.22)	5.5 (.22)	5 (.2)	5 (.2)
10 ⁵	10 ⁵	10 ⁵	10 ⁵
-20 to 85 (-4 to 185)	-20 to 85 (-4 to 185)	-20 to 85 (-4 to 185)	-20 to 85 (-4 to 185)
IP 67	IP 67	IP 67	IP 67
40 (1.4)	40 (1.4)	45 (1.6)	45 (1.6)
R	R	R	R
L	L	L	L
C*	C	C*	C

83 581 1



To order, please specify :

1 Switch Type

835810
835811

2 Current Level

S - 10A
B - <.1A

3 Contacts

C

4 Outputs

R - Right (flexible wires)
L - Left (flexible wires)
C - Cable left output only

5 Lead Length

.5 - 1/2 meter
1 - 1 meter
2 - 2 meter

Example : 835810 S C C •

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