

Miniature Limit Switches Series 83 800

Degree of protection : IP 55 or IP 65 - Nema 4, 12, 13

Version : SPDT - double break

Function : Four terminal double break contact element (form Za). The contacts must be of the same polarity.

Layout :

A - For 83 803



B - Other types



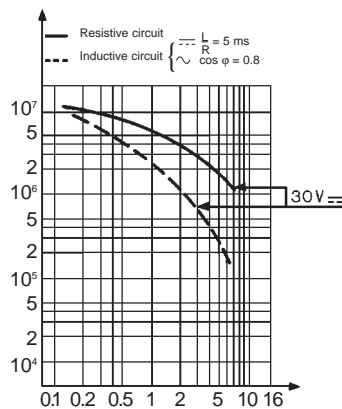
Electrical characteristics :

Assigned insulation voltage (Ui): 250 V

Current Rating

Assigned working currents (Ie): 5 A

Operating curve :



Connections :

- Plug in : Screw terminals - max. wire section 2.5 mm²
- Non Plug in : Solder tags (able to accept 2.8 x 0.5 mm clips).
Contact Crouzet for part # and availability

Connection :

- For N° 9 sealing gland, 15.2 dia., 1.411 pitch
- 25356113 - metal
- 25356109 - plastic

Approvals: UL cUL

Type

Plug in version

Features

- Top mounted plunger
- Top mounted plunger with threaded barrel
- Top mounted roller plunger with threaded barrel
- Side rotary head - momentary
- Top mounted roller plunger
- Flexible metal spring
- Fiberglass Rod

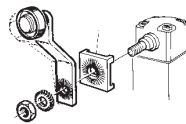
Mechanical Characteristics

| | |
|---------------------------|------------|
| Operating force | N (oz) |
| Total travel force - min. | N (oz) |
| Operating Travel - min | mm (in) |
| Movement differential | mm (in) |
| Total travel - max | mm (in) |
| Mechanical life | operation |
| Operating temp. | C° (F°) |
| Degree of protection | |
| Weight | grams (oz) |

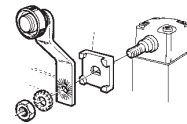
Accessories for 83 803 - Sold separately

* Lever settings or positions dictated by direction in which block is fitted

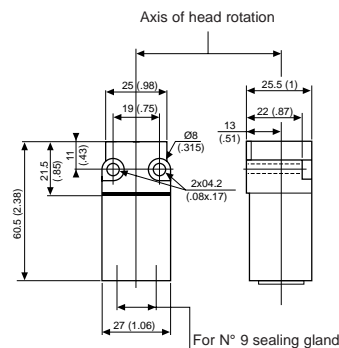
Adjustable in 6° steps



Adjustable in 90° steps



Dimensions



mm(in)

Other information

For other accessories and special contacts, or special modes of operation, please contact factory.
Low temperature version available.

Products and specifications subject to change without notice.

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



| 83800151 | 83801051 | 83802051 | 83803051 | 83805051 | 83806051 | 83807051 |
|------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|
| • | • | • | • | • | • | • |
| 10 (35.3) | 10 (35.3) | 10 (35.3) | 7 NcM 10 in.oz. | 10 (35.3) | 1.2 (4.23) | .8 (2.8) |
| 22 (77.6) | 22 (77.6) | 22 (77.6) | 18 NcM 25 in.oz. | 22 (77.6) | 2.5 (8.8) | 2 (7.05) |
| 1.5 (.06) | 1.5 (.06) | 1.5 (.06) | 15° | 1.5 (.06) | 8° | 8° |
| 0.4 (.016) | 0.4 (.016) | 0.4 (.016) | 6° | 0.6 (.24) | 2° | 2° |
| 5 (.2) | 5 (.2) | 5 (.2) | 60° | 5 (.2) | 10° | 10° |
| 10° | 10° | 10° | 10° | 10° | 10° | 10° |
| -10 to 70 (-14 to 158) | -20 to 70 (-4 to 158) | -20 to 70 (-4 to 158) | -20 to 70 (-4 to 158) | -10 to 70 (-14 to 158) | -10 to 70 (14 to 158) | -10 to 70 (14 to 158) |
| IP 55 | IP 55 | IP 55 | IP 55 | IP 65 | IP65 | IP65 |
| 50 (1.8) | 57 (2) | 57 (2) | 60 (2.1) | 50 (1.8) | 50 (2.65) | 60 (2.1) |

Accessories for 83 803 - Sold separately

Galvanized, passivated steel roller arm. Thermoplastic roller.
Lever supplied with nut, washer and locating block (loose).*

79 210 997

Bent roller lever R: 1 1/8" (30mm)



79 210 998

Straight roller lever R: 11/8" (30mm)

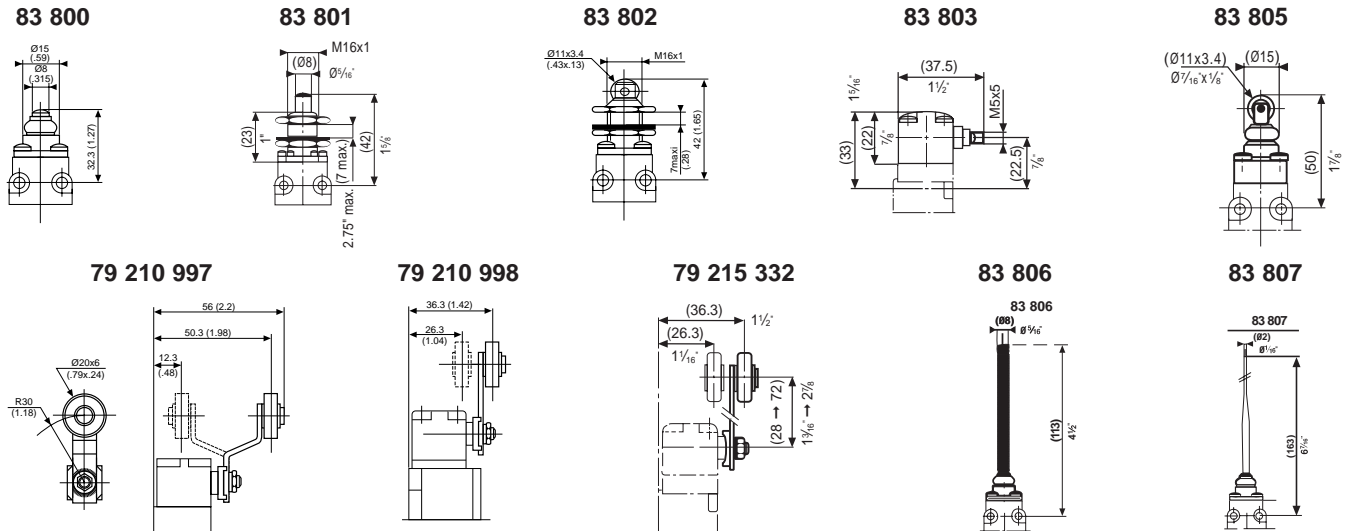


79 215 332

Adjustable
Straight roller lever
1 3/16" → 2 7/8"
(28 → 72mm)



Dimensions



mm(in)

To order, specify:

| | | |
|--|--------------------------------|--|
| | Standard products | 1 Part number Example: 83 800 151 |
| | Standard products, non stocked | 1 Part number 2 Accessory Example: 83 803 0 - Actuator 79 210 997 |

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