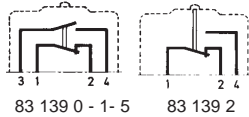


General specifications

Layout



Components

Material

- Case : polyester
- Contacts : silver
- Membrane : nitrile on 83 139 0
silicone on 83 139 1 - 2 - 5

Actuators :

- stainless steel
- rollers : polyamide

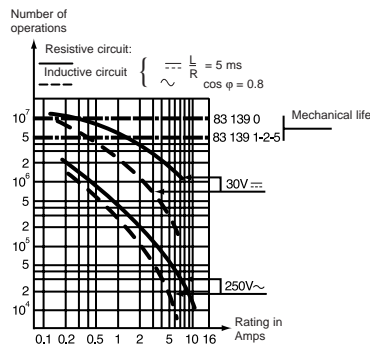
- The NO and NC circuits must both be of the same polarity.

Characteristics specific to 83 139 1

- Conform to standards EN 50 014 and 50 018
- Group II classified for explosive atmospheres other than mines subject to firedamp
- Temperature class T6, max. surface temperature 85°C
- LCIE certificate 880022U
- These switches can be enclosed in an envelope of a certified material, particularly to provide mechanical protection

- Degree of protection IP 67.

Operating curve



Types

Features

Electrical characteristics

| | Nominal | A |
|-----------------------------|---------|---|
| Current rating at 125-250 V | | |

Mechanical characteristics

| | |
|-------------------------|------------|
| Operating force - max. | N (oz) |
| Release force - min. | N (oz) |
| Max. total travel force | N (oz) |
| Overtravel max. - force | N (oz) |
| Maximum rest position | mm (in) |
| Tripping point | mm (in) |
| Movement differential | mm (in) |
| Overtravel - min. | mm (in) |
| Operating temperature | °C (F°) |
| Mechanical life | Operations |
| Contact gap | mm (in) |
| Weight | g (oz) |

Contact Type

C (Form C) SPDT

Mounting Holes

4 holes = A standard

2 holes = B

Connections

Lead position bottom - standard

Lead position right

Lead position left

Actuators

Part numbers for standard actuators

Actuator-Length mm (in)

| | |
|------------------------|---------|
| Operating force - max. | N (oz) |
| Release force - min. | N (oz) |
| Movement differential | mm (in) |

Part numbers for standard actuators

Actuator-Length mm (in)

| | |
|------------------------|---------|
| Operating force - max. | N (oz) |
| Release force - min. | N (oz) |
| Movement differential | mm (in) |

Other information

For other forces, actuators, connections and temperatures, lead lengths, please consult factory.

 Normally stocked items

 Catalog products produced to order

Products and specifications subject to change without notice.

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| |
|---|
| 1 |
| 83 139 0 83 139 5 83 139 2 83 139 1 |

| | | | |
|---|---|---|---|
| Standard | Low temperature | Double insulation to NFC 20030 standard classe II | Explosion proof EEX d 11C T6 |
| 5 | 5 | 5 | 5 |
| 3 (10.6) | 3 (10.6) | 3 (10.6) | 3 (10.6) |
| 0.6 (2.1) | 0.6 (2.1) | 0.6 (2.1) | 0.6 (2.1) |
| 4 (14.1) | 4 (14.1) | 4 (14.1) | 4 (14.1) |
| 10 (35.3) | 10 (35.3) | 10 (35.3) | 10 (35.3) |
| A = 8.8 (.35) B = 9.8 (.39) | A = 8.8 (.35) B = 9.8 (.39) | B = 9.8 (.39) | B = 9.8 (.39) |
| A:7.7 ^{+0.4} (.30 ^{+0.016}) B:8.7 ^{+0.4} (.32 ^{+0.016}) | A:7.7 ^{+0.4} (.30 ^{+0.016}) B:8.7 ^{+0.4} (.32 ^{+0.016}) | 8.7 ^{+0.4} (.32 ^{+0.016}) | A:7.7 ^{+0.4} (.30 ^{+0.016}) B:8.7 ^{+0.4} (.32 ^{+0.016}) |
| 0.35±0.1 (.014±.004) | 0.35±0.1 (.014±.004) | 0.35±0.1 (.014±.004) | 0.35±0.1 (.014±.004) |
| 0.3 (.012) | 0.3 (.012) | 0.3 (.012) | 0.3 (.012) |
| 0 to 85 (32 to 185) | 0 to 85 (32 to 185) | -40 to 85 (-40 to 185) | -40 to 85 (-40 to 185) |
| 10 ⁷ | 5 x 10 ⁷ | 5 x 10 ⁶ | 5 x 10 ⁶ |
| 0.3 x 2 (.012 x .008) | 0.3 x 2 (.012 x .008) | 0.3 x 2 (.012 x .008) | 0.3 x 2 (.012 x .008) |
| 37 (1.3) | 37 (1.3) | 45 (1.6) | 37 (1.3) |

| |
|----------|
| 2 |
|----------|

| | | | |
|----------|----------|----------|----------|
| C | C | C | C |
| A | A | B | B |
| B | B | B | B |

| |
|----------|
| 3 |
|----------|

| | | | |
|--|--|--|--|
| 4 flexible leads ø 2.8 x 0.75 mm ² length 0.50 m | 4 flexible leads ø 2.8 x 0.75 mm ² length 0.50 m | 3 lead cable 3 x 0.75 mm ² length 0.50 m | 4 flexible leads ø 2.8 x 0.75 mm ² length 0.50 m |
|--|--|--|--|

| | | | |
|----------|----------|----------|----------|
| B | B | B | B |
| R | R | R | R |
| L | L | L | L |

| |
|----------|
| 4 |
|----------|

| | | | | | |
|----------|----------|----------------------------|----------------------------|----------------------------|----------------------------|
| P | R | A 79 215 740 | B 79 507 524 | E 79 215 742 | G 70 507 529 |
|----------|----------|----------------------------|----------------------------|----------------------------|----------------------------|

| | | | |
|-----------------------------------|-------------------------------------|--|---|
| Flat 139 AX R29.7 (1.17)** | Roller 139 EX R28.7 (1.13)** | Flat 161A R14.2 (.56) – R25.4 (1.0) | Roller 161 E R13.6 (.54) – R24.1 (.94) |
|-----------------------------------|-------------------------------------|--|---|

| | | | |
|-----------|-----------|------------|------------|
| | | | |
| 1.5 (5.3) | 1.5 (5.3) | 2.6 (9.2) | 2.6 (9.2) |
| 0.2 (.7) | 0.2 (.7) | 0.35 (1.2) | 0.35 (1.2) |
| 1.5 (.06) | 1.5 (.06) | 0.7 (.028) | 0.7 (.028) |
| | | | |
| | | | |
| | | | |

F 79 218 581 **H 79 218 651** **Note** : When mounting actuators, a light greasing of the switch push-button is recommended.

| | |
|-------------------------------|---------------------------------------|
| Flat 161F R22.3 (1.17) | Dummy roller 161 G R21.8 (.86) |
|-------------------------------|---------------------------------------|

| | |
|------------|------------|
| | |
| 2 (7.1) | 2 (7.1) |
| 0.2 (.7) | 0.2 (.7) |
| 1.1 (.043) | 1.1 (.043) |

For more actuators, see 83161

Ø
No Actuator

** Factory mounted only

To order, please specify :

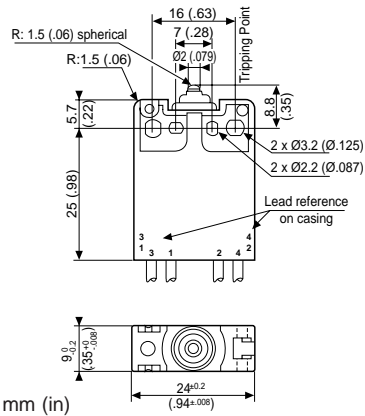
| | | | | | |
|---|-----------------------|-------------------------|---|--|----------------------------|
| 1 Switch Type | 2 Contact Type | 3 Mounting Holes | 4 Connection | 5 Lead Length | 6 Actuators |
| 831390 831391 831392 831395 | C | A B | B R L | .5 - 1/2 meter (std) 1 - 1 meter 2 - 2 meter | A F P B H R E Ø G |
| Example switch is: 831390, DBDT, 4 mounting holes, leads exit bottom, .5 meter cable with A actuator. | | | To order actuators separately, use 8 digit P/N. | | |

Products and specifications subject to change without notice.

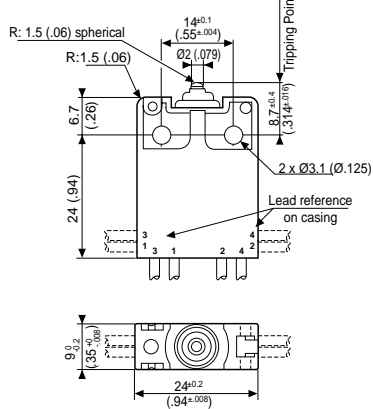
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Dimensions

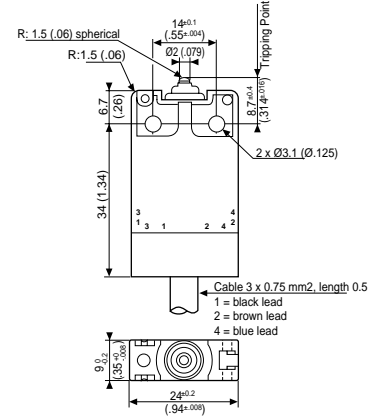
83 139 0 - 5 - Mounting A = 4 holes



83 139 0 - 1 - 5 - Mounting B = 2 holes

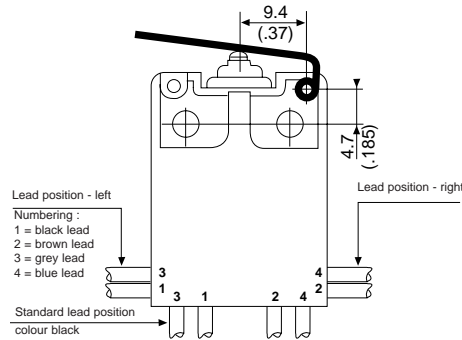
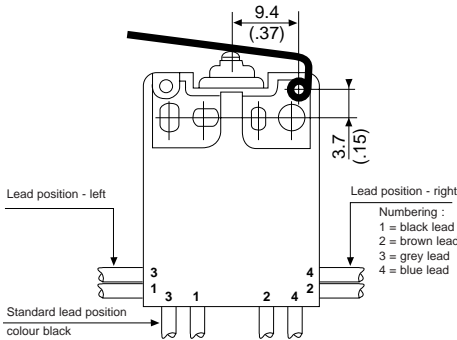


83 139 2



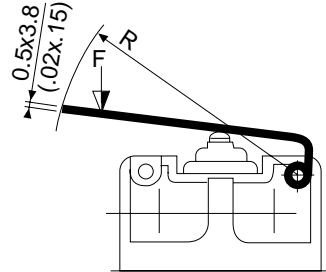
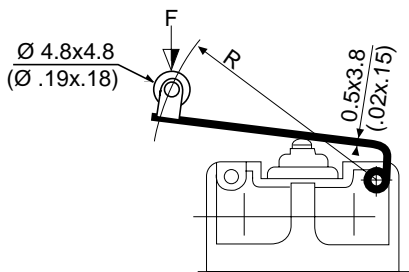
Actuators Factory Mounted Only

Actuators mounting position (type 139)



R

P



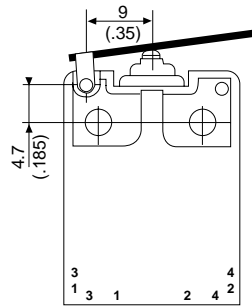
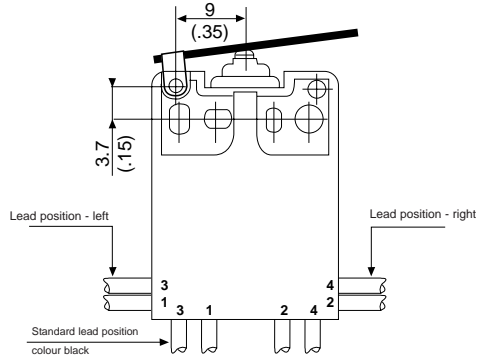
mm (in)

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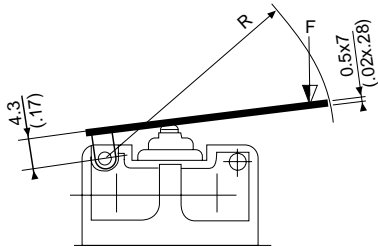
Order/Technical Support – Tel: (800) 677-5311 / FAX: (800) 677-3865 / www.crouzet-usa.com

Actuators User or Factory Mounted

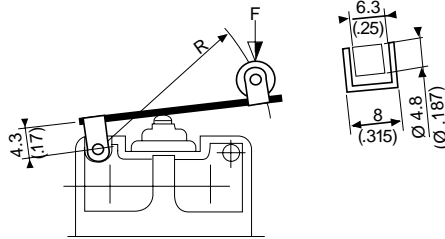
Actuators mounting position (type 161)



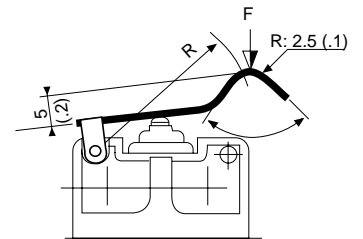
A - B



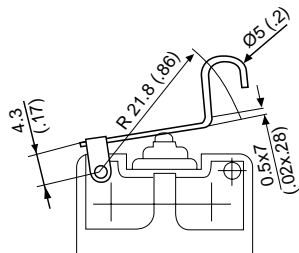
E - G



F



H



mm (in)

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- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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