

General specifications

Layout



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

Components

Material

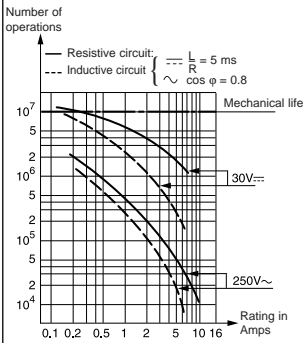
- Case : glass filled polyamide
- Contacts : silver
- Terminals: copper-nickel

Actuator

- Plain : stainless steel
- roller: nylon

Accessories : stainless steel

Operating curve



Approvals UL (E42016), CSA (LR - 20918) for others, please consult us.

Types

Features

Electrical characteristics

Current rating at 125-250 V	Nominal	A
	Thermal	A

Mechanical characteristics

Operating force - max.	N (oz)
Release force min.	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-DB

Connections

- 83 132 : solder connection -1- only
- 83 133 : solder connection -1- only
- 83 134 : printed circuit board -2- only

Actuators and mounting positions-Factory Mounted Only

Part numbers for standard actuators

Actuators-Length mm (in)

Tripping point	mm (in)
Operating force max.	N (oz)
Release force min.	N (oz)
Pre-travel - max.	mm (in)
Movement differential	mm (in)
Total travel max.	mm (in)

Part numbers for standard actuators

Actuators-Length mm (in)

Tripping point	mm (in)
Operating force - max.	N (oz)
Release force - min.	N (oz)
Pre-travel - max.	mm (in)
Movement differential	mm (in)
Total travel max.	mm (in)

Other information

Also available: 1) Bi-stable operation
2) NC or NO contacts
3) Custom Actuators

Please consult us for other actuators.

Normally stocked items

Catalog products produced to order

Products and specifications subject to change without notice.

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



1		
83 132 0	83 133 0	83 134 0
Side terminals	Base terminals	Face terminals
5	5	5
11	11	11
1.6 (5.6)	1.6 (5.6)	1.6 (5.6)
0.4 (1.4)	0.4 (1.4)	0.4 (1.4)
10 (35.3)	10 (35.3)	10 (35.3)
8.45 (.33)	8.45 (.33)	8.10 (.32)
7.7 ^{+0.2} (.30 ^{-0.008})	7.7 ^{+0.2} (.30 ^{-0.008})	7.35 ^{+0.25} (.29 ^{-0.10})
0.45 (.018)	0.45 (.018)	0.45 (.018)
0.3 (.012)	0.3 (.012)	0.3 (.012)
-20 +125 (-4 to +257)	-20 +125 (-4 to +257)	-20 +125 (-4 to +257)
10 ⁷	10 ⁷	10 ⁷
0.3 x 2 (.012 x 2)	0.3 x 2 (.012 x 2)	0.3 x 2 (.012 x 2)
1.8 (.06)	1.8 (.06)	1.8 (.06)

2		
C	C	C

1 solder tags can accept quick connects .11" x .02"
2 for printed circuit boards

4																																																																																							
L 70 514 175	C 70 514 194	E 70 514 181	F 70 514 182																																																																																				
Flat 54A R14.75 (.58)	Flat 54A R35.75 (1.41)	Tip-mounted in-line roller 54E R7.5 (.3)	Tip-mounted in-line roller 54E R14.1 (.56)																																																																																				
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B 70 514 559	A 70 514 131	G 70 514 183																																																															
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∅ No Actuator

Except where otherwise indicated, the actuator is mounted in the position shown in the dimensional drawings (= standard mounting).

To order please specify :

1 Switch Type 831320 831330 831340	2 Contact Type C	Example : 831330 C 1 • A L 3 Connection 1 2	4 Actuators A B C E F G L	5 Actuator Position L - Left (Standard) R - Right
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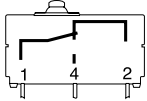
Example P/N is 831330, SPDT-DB, solder terminals, A actuator mounted on the left.

Products and specifications subject to change without notice.

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

General specifications

Layout



Components

Material

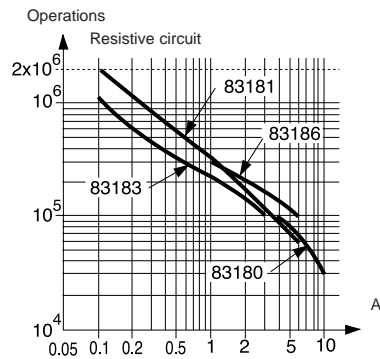
- Case : UL 94VO glass-filled polyester
- Button : Polyester
- Membrane : silicon
- Contacts : AgCdO
AgNi (dual current),
- Terminals : tinned brass
- Cable : PVC (IP 67)
- Leads : PVC

Actuators

- flat : stainless steel
- roller : stainless steel with polyamide roller

Approvals 83 180/83 186 : NF. UL - cUL on request

Operating curve 250 V~



Switch rating with DC supply

		83 180	83 181	83 183	83 186
12 V	Resistive load	10 A	6 A	3 A	6 A
	Inductive L/R 5 ms	10 A	6 A	3 A	6 A
24 V	Resistive load	10 A	6 A	3 A	6 A
	Inductive L/R 5 ms	5 A	5 A	3 A	5 A

Model 83 181 is designed to operate equally well on dual-current (1 mA 4 V minimum) or medium-current (6 A maximum) circuits. However, a given product should only be used to switch one type of circuit during its working life.

Degree of protection

- Tag version : casing = IP67
terminals = IP00
- Lead / cable version : outlet / casing = IP67

Types

Part numbers for standard products with connection of type

1
2
FD0

Features

Electrical characteristics

	Nominal Hp	A
Current rating at 250 V		1/2

Mechanical characteristics

Operating force - max.	N (oz.)
Release force - min.	N (oz.)
Total travel force - max.	N (oz.)
Permitted overtravel force - max.	N (oz.)
Rest position - max.	mm (in.)
Tripping point	mm (in.)
Differential travel	mm (in.)
Overtravel - min.	mm (in.)
Ambient operating temperature	for tag version °C (°F)
	for lead / cable version °C (°F)
Mechanical durability	Operations
Contact gap	mm (in.)
Weight (tag version)	g (oz.)

Contact Type

C (Form C) SPDT

B (Form B) SPNC not available in PC terminals

A (Form A) SPNO not available in PC terminals

Connections



Actuators and mounting positions

Part numbers for standard actuators

Actuators - Length mm (in.)

Mounting position

Coefficient	
Tripping point	mm (in.)
83 180	
83 181/183/186	

Part numbers for standard actuators

Actuators - Length mm (in.)

Mounting positions

Coefficient	
Tripping point	

Except where otherwise indicated, actuators are supplied unmounted.

For factory mounting, specify fixing position L or R.

- **To calculate force** : take the force quoted for the switch and divide by the coefficient given in the table.

- **To calculate travel** : take the travel quoted for the switch and multiply by the same coefficient.

Mounting accessories for PCB mounting : 5 / 6 / 7 / 8

See page 3/9.

Other information

For other forces, actuators, connections and temperatures, please consult us.

Normally stocked items

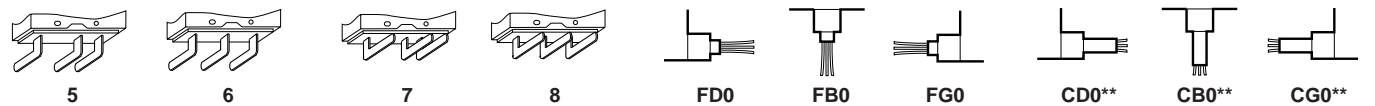
Catalog products produced to order



83180	83181	83183	83186
831800C1.0	831810C1.0	831830C1.0	831860C1.0
831800C2.0	831810C2.0	831830C2.0	831860C2.0
831800CFD0.0	831810CFD0.0	831830CFD0.0	831860CFD0.0

High current	Dual current	Medium current	Standard
10	6	3	6
12.5	7.5	4	7.5
3.4 (12)	2.5 (8.8)	2.5 (8.8)	2.5 (8.8)
1 (3.5)	0.8 (2.8)	0.8 (2.8)	0.8 (2.8)
5 (17.6)	4.2 (14.1)	4.2 (14.1)	4.2 (14.1)
10 (35.3)	10 (35.3)	10 (35.3)	10 (35.3)
9.3 (.37)	9.3 (.37)	9.3 (.37)	9.3 (.37)
8.4 ±0.3 (.33 ±0.012)	8.4 ±0.3 (.33 ±0.012)	8.4 ±0.3 (.33 ±0.012)	8.4 ±0.3 (.33 ±0.012)
0.10 (.004)	0.10 (.004)	0.10 (.004)	0.10 (.004)
0.6 (.024)	0.6 (.024)	0.6 (.024)	0.6 (.024)
-40 +125 (-40 +257)	-40 +125 (-40 +257)	-40 +125 (-40 +257)	-40 +125 (-40 +257)
-40 +105 (-40 +221)	-40 +105 (-40 +221)	-40 +105 (-40 +221)	-40 +105 (-40 +221)
10 ⁶	2 x 10 ⁶	2 x 10 ⁶	2 x 10 ⁶
0.4 (.016)	0.4 (.016)	0.4 (.016)	0.4 (.016)
2 (.07)	2 (.07)	2 (.07)	2 (.07)

C	C	C	C
B	B	B	B
A	A	A	A



A 79 253 327	B 79 253 326	C 79 253 328	E 79 218 454
Flat 170A R18.3 (.72)	Flat 170A R24 (.94)	Flat 170A R41 (1.61)	Roller 170E R20 (.79)
L 3 10.4 ^{+1.2} (.41 ^{+0.05})	L 4 11.1 ^{+1.2} (.44 ^{+0.05})	L 7 13.2 ^{+2.5} (.52 ⁺¹)	L 3 15.4 ^{+1.2} (.61 ^{+0.05})
R 1.5 9.2 ^{+0.6} (.36 ⁺²⁴)	R 2 9.6 ^{+0.6} (.38 ^{+0.024})	R 3.5 10.7 ^{+1.2} (.42 ^{+0.05})	R 1.5 14.5 ^{+0.6} (.57 ⁺²⁴)

F 79 253 329	D *	L *
Dummy roller 170F R19.5 (.77)	Screw 170D	Transverse roller 170EL *
L 3 13 ^{+1.2} (.51 ^{+0.05})		
R 1.5 12 ^{+0.6} (.47 ⁺²⁴)		

Ø No Actuator

* Special order, contact us for part number
 ** Cable version for types 83 181, 83 183 and 83 186

To order please specify :

1 Switch Type 831810 831830 831860 831800	2 Contact Type A B C	3 Connection 1 6 2 7 3 8 4 FDØ CDØ 5 FGØ CBØ FBØ CGØ	4 Actuators Ø F L A B C D E	5 Actuator Position L - Left (Standard) R - Right
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To order actuators separately, use the 8 digit P/N

Example P/N is 831810 SPDT solder terminals with no actuator.

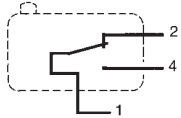
Products and specifications subject to change without notice.

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



General specifications

Layout



Components

Material

- Case : glass-filled polyamide (self-extinguishing version to UL 94 VO and IEC 695-2-1 850° C - available on request)
- Button : polyamide
- Contacts : nickel silver or gold alloy (dual-current)

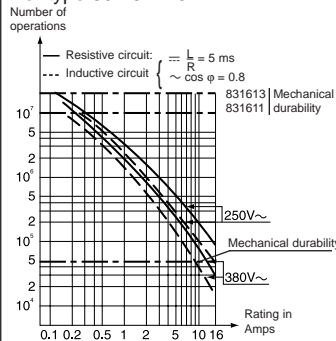
Actuators

- flat : stainless steel
- roller : stainless steel, glass-filled polyamide roller
- other types of polyamide

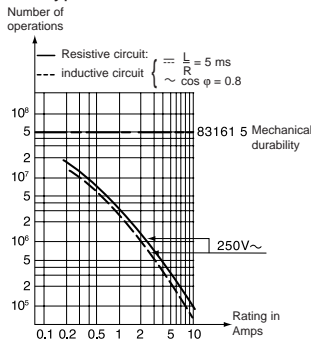
Approvals: NF - UL/cUL

Operating curve

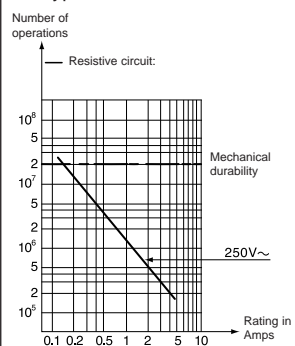
For type 83 161 1 3



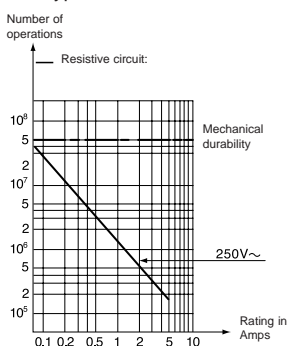
For type 83 161 5 - 5 SP 4136



For type 83 161 8



For type 83 161 9 SP 4136



For types 83 161 8 - 9 SP 4136 dual-current

Models 83 161 8 and 83 161 9 SP 4136 are designed to operate equally well on dual-current (1 mA 4 V minimum) or medium-current (5 A maximum) circuits. However, a given product should only be used to switch one type of circuit during its working life.

Types

Part numbers for standard products with connections of type

2
3
6

Features

Electrical characteristics

Current rating at 125/250 V	Current	A
	Horsepower	HP

Mechanical characteristics

Operating force - max.	N (oz.)
Release force - min.	N (oz.)
Total travel force - max.	N (oz.)
Permitted overtravel force - max.	N (oz.)
Rest position - max.	mm (in.)
Tripping point	mm (in.)
Differential travel	mm (in.)
Overtravel - min. (OT)	mm (in.)
Ambient operating temperature	°C (°F)
Mechanical durability (for 2/3 OT)	Operations
Contact gap	mm (in.)
Weight	g (oz.)

Contact type

C (Form C) SPDT

B (Form B) SPNC

A (Form A) SPNO

Connections



2 solder



3 for 1/4" Quick Connects

Actuators and mounting positions

Part numbers for standard actuators	A	79 215 740
Actuators-Length	mm (in.)	Flat 161A R14.2 (.56)



Mounting positions	A	B
Coefficient	2	1
Tripping point (except 83 161 6)	15.2 $\pm 1(.6 \pm 0.004)$	15.2 $\pm 0.45(.6 \pm 0.018)$
Tripping point 83 161 6	14.8 $\pm 1(.59 \pm 0.004)$	15 $\pm 0.45(.59 \pm 0.018)$

Part numbers for standard actuators	H	79 218 651
Actuators-Length	mm (in.)	Dummy roller 161G R21.8 (.86)



Mounting positions	A	B
Coefficient	3	1.8
Tripping point (except 83 161 6)	21.7 $\pm 2(.85 \pm 0.08)$	21.7 $\pm 0.7(.85 \pm 0.03)$
Tripping point 83 161 6	21.5 $\pm 2(.85 \pm 0.08)$	21.5 $\pm 0.7(.85 \pm 0.03)$

Other information

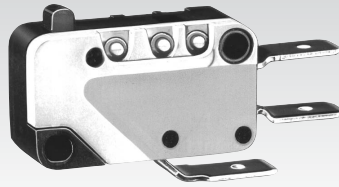
For other forces, actuators, connections and temperatures, please consult us.

Normally stocked items

Catalog products produced to order

Products and specifications subject to change without notice.

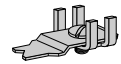
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83161.1(10.1A)	83161.2(15.1A)	83161.3(10.1A)	83161.5(4A) 83161.9(0.1A)	83161.5SP4136 83161.9SP4136	83161.6	83161.8(0.1A)
831611C2.0 831611C3.0 831611C6.0	831612C2.0 831612C3.0 831612C6.0	831613C2.0 831613C3.0 831613C6.0	831615C2.0 831615C3.0 831615C6.0	• • •	831616C2.0 831616C3.0 831616C6.0	831618C2.0 831618C3.0 831618C6.0
High Force	High Current	Standard	Low Force	Ultra Light Force	Wide Gap	Dual Current

10.1 1/2	15.1 1/2	10.1 1/2	4 1/10	4 1/10	6.1 1/3	0.1 N/A
3 (10.5) 1 (3.5) 4.5 (15.8) 20 (70.5) 16.1 (0.63) 14.7 ^{±0.4} (.58 ^{±0.16}) 0.35 (0.014) 1.1 (0.05) -20 +125 (-4 +257) 10 ⁷ 0.4 (0.016) 5.6 (.2)	0.8 (2.8) 0.2 (0.7) 2 (7.0) 20 (70.5) 16.2 (0.64) 14.7 ^{±0.3} (.58 ^{±0.16}) 0.35 (0.014) 1.2 (0.05) -20 +125 (-4 +257) 2 x 10 ⁷ 0.4 (0.016) 5.6 (.2)	0.8 (2.8) 0.2 (0.7) 2 (7.0) 20 (70.5) 16.2 (0.64) 14.7 ^{±0.3} (.58 ^{±0.16}) 0.35 (0.014) 1.2 (0.05) -20 +125 (-4 +257) 2 x 10 ⁷ 0.4 (0.016) 5.6 (.2)	0.25 (0.9) 0.05 (0.18) 0.35 (1.2) 20 (70.5) 16.3 (0.64) 14.7 ^{±0.4} (.58 ^{±0.16}) 0.35 (0.014) 1.1 (0.05) -20 +125 (-4 +257) 5 x 10 ⁷ 0.4 (0.016) 5.6 (.2)	0.15 (0.54) 0.04 (0.14) 0.2 (0.72) 20 (70.5) 16.3 (0.64) 14.7 ^{±0.3} (.58 ^{±0.16}) 0.35 (0.014) 1.2 (0.05) -20 +125 (-4 +257) 5 x 10 ⁷ 0.4 (0.016) 5.6 (.2)	5 (18) 0.5 (1.8) 6 (21.6) 20 (70.5) 16.1 (0.63) 14.5 ^{±0.4} (.58 ^{±0.16}) 0.8 (0.03) 0.9 (0.035) -20 +125 (-4 +257) 5 x 10 ⁴ 3.2 (0.126) 5.6 (.2)	0.8 (2.8) 0.2 (0.7) 0.2 (.07) 20 (70.5) 16.2 (0.64) 14.7 ^{±0.4} (.58 ^{±0.16}) 0.35 (0.014) 1.2 (0.05) -20 +125 (-4 +257) 2 x 10 ⁷ 0.4 (0.016) 5.6 (.2)

C B A	C B A	C B A	C B A	C B A	C B A	C B A
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5 screw



6 for 3/16 Quick Connects



7 for .11 Quick Connects

B 70 507 524	E 79 215 742	G 70 507 529	F 70 507 528
Flat 161A R25.4 (1)	Roller 161E R13.6 (.54)	Roller 161E R24.1 (.95)	Dummy 161F roller R22.2 (.84)
A 4 15.2 ^{±2.5} (.6 ^{±1}) 14.4 ^{±2.5} (.56 ^{±1})	A 2 20.5 ^{±1.5} (.81 ^{±0.06}) 20.1 ^{±1.5} (.79 ^{±0.06})	B 1 20.5 ^{±0.8} (.81 ^{±0.03}) 20.3 ^{±0.8} (.80 ^{±0.03})	C 1.5 20.5 ^{±1.2} (.81 ^{±0.05}) 20.2 ^{±1.2} (.79 ^{±0.05})
B 2 15.2 ^{±1} (.6 ^{±0.04}) 14.8 ^{±1} (.58 ^{±0.04})	C 1.5 15.2 ^{±0.8} (.6 ^{±0.03}) 14.9 ^{±0.8} (.59 ^{±0.03})	A 2 20.5 ^{±1.5} (.81 ^{±0.06}) 20.1 ^{±1.5} (.79 ^{±0.06})	B 1.8 20.4 ^{±2} (.8 ^{±0.08}) 20.2 ^{±2} (.79 ^{±0.08})

L	V 161V	C 70 507 526	D 79 215 835
** Telescopic plunger Manual action 161L 	161V 	Flat 161A R50 (1.9) 	Flat 161A R60 (2.39)
D Factory Mount only 1 21.5 ^{±1} (.85 ^{±0.04}) 21.5 ^{±1} (.85 ^{±0.04})	D Factory Mount only 1 18.35 ^{±0.45}	A 6 15.2 ^{±0.3} B 3 15.2 ^{±2} C 2 15.2 ^{±1.5}	A 7 15.2 ^{±0.9} B 3.5 15.2 ^{±2.5} C 2.2 15.2 ^{±2.3}

For factory mounting, specify fixing position A, B or C

** For 83 161 1, 83 161 3, 83 161 6, 83 161 8, mounted in factory (supplied without nut)

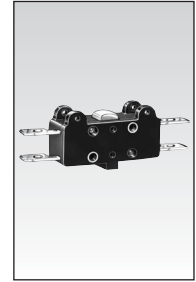
To order, please specify :

1 Switch Type 831612 831619 831613 831616 831615 831611 831618	2 Contact Type A B C	3 Connection 2 3 5 6 7	Example : 831612 C 3 • C A	4 Actuators Ø A B C D E	5 Actuator Position F G H L V Ø = No actuator
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To order actuators separately, use the 8 digit P/N

Example switch is 831612, SPDT, 1/4" Q.C., C actuator mounted in A position

Standard Switches (Double Break) Series 83 106 / 83 109 / 83 112 / 83 154



General specifications

Layout



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

Components

Material

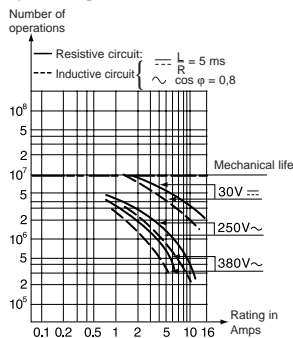
- Case : polyamide (83 106 to 83 112)
- Case : Diallyl-Phthalate (83 154)
- Contacts : nickel silver

Actuators

- passivated mild steel
 - roller : nylon
 - adjustable screws : self-retaining
 - plates : passivated mild steel (zinc)
- Note : Fixing holes for these switches have metal ferrules.

Approvals: UL - cUL

Operating curve



83 154

Types

83 106 0

Features

Standard

Electrical characteristics

Current rating at 250 V	Nominal ---	A	—
	Nominal ~		10
	Thermal	A	17.5

Mechanical characteristics

Operating force - max.	N (oz.)	4 (14.1)
Release force - min.	N (oz.)	1 (3.5)
Permitted overtravel force - max.	N (oz.)	20 (70.5)
Maximum rest position	mm (in.)	12.75 (.5)
Tripping point	mm (in.)	11.45 ^{+0.2 -0.25} (11.45 ^{+0.2 -0.25})
Differential travel	mm (in.)	0.5 ^{±0.2} (0.02 ^{±0.008})
Overtravel - min.	mm (in.)	0.7 (.28)
Ambient operating temperature	°C (°C)	-20 +85 (-4 +185)
Mechanical durability	Operations	10 ⁷
Contact gap	mm (in.)	0.4 x 2
Weight	g (oz.)	8

Contact type

C (Form C) SPDT

C

B (Form B) SPNC

A (Form A) SPNO

Connections

Actuators and mounting positions

Part numbers for standard actuators

A 70 500 888

Actuators-Length mm (in.) Flat R49 (1.92)



Operating force - max.	N (oz.)	1.2 (4.2)
Release force - min.	N (oz.)	0.25 (.9)
Pre-travel - max.	mm (in.)	6.2 (.24)
Differential travel	mm (in.)	2.1 ^{±0.9} (.083 ^{±0.35})
Total travel max.	mm (in.)	7.5 (.3)

Except where otherwise indicated, the flat and roller actuators are mounted as shown in the dimensional drawings (mounted on the left).

Assemblies

Other information

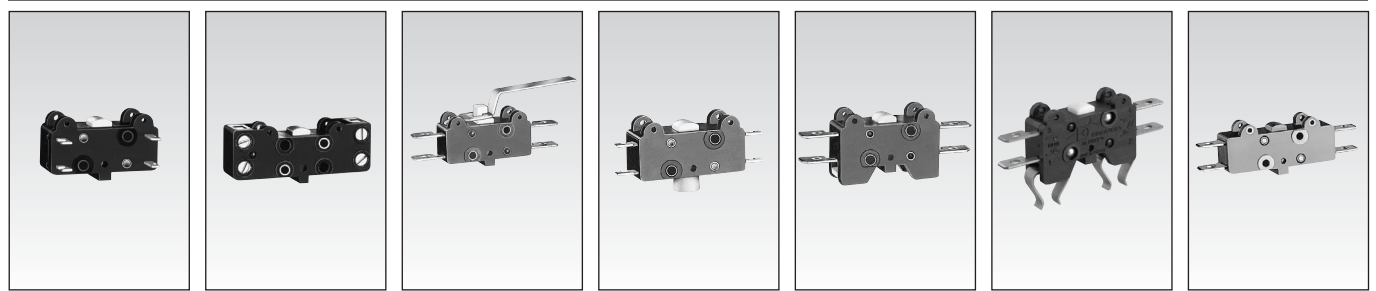
For other forces, actuators, connections and temperatures, please consult us.

Normally stocked items

Catalog products produced to order

Products and specifications subject to change without notice.

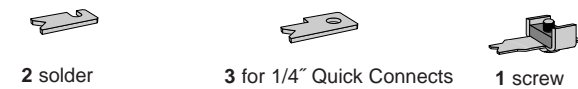
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83 109 0	83 112 0	83 106 4	83 106 7	83 111 0	83 111 5	83 154 0
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Face terminals	Enclosed screws	Bistable, 2 actuator positions	Bistable, 2 push button positions	Base mounting by screws	Base mounting by clips	Magnetic blow-out switch
—	—	—	—	—	—	5
10	10	10	10	10	10	—
17.5	17.5	17.5	17.5	17.5	17.5	17.5
4 (14.1)	4 (14.1)	0.45 (1.62)	2 (7.19)	4 (14.1)	4 (14.1)	4 (14.1)
1 (3.5)	1 (3.5)			1 (3.5)	1 (3.5)	1 (3.5)
20 (70.5)	20 (70.5)			20 (70.5)	20 (70.5)	20 (70.5)
12.75 (.5)	12.75 (.5)					
11.45 ^{+0.2 -0.25} (.45 ^{+0.008})	11.45 ^{+0.2 -0.25} (.45 ^{+0.008})			11.45 ^{+0.2 -0.25} (.45 ^{+0.008})	11.45 ^{+0.2 -0.25} (.45 ^{+0.008})	11.45 ^{+0.2 -0.25} (.45 ^{+0.008})
0.5 ^{±0.2} (.02 ^{±0.008})	0.5 ^{±0.2} (.02 ^{±0.008})			0.5 ^{±0.2} (.02 ^{±0.008})	0.5 ^{±0.2} (.02 ^{±0.008})	0.65 ^{±0.25} (.02 ^{±0.008})
0.7 (.29)	0.7 (.29)			0.7 (.29)	0.7 (.29)	0.7 (.29)
-20 +85 (-4 +185)	-20 +85 (-4 +185)	-20 +85 (-4 +185)	-20 +85 (-4 +185)	-20 +85 (-4 +185)	-20 +85 (-4 +185)	-40 +125 (-4 +257)
10 ⁷	10 ⁷	10 ⁶	10 ⁶	10 ⁷	10 ⁷	10 ⁷
0.4 x 2 (.016 x .08)	0.4 x 2 (.016 x .08)	0.4 x 2 (.016 x .08)	0.4 x 2 (.016 x .08)	0.4 x 2 (.016 x .08)	0.4 x 2 (.016 x .08)	0.5 x 2 (.016 x .08)
8 (.3)	14.5 (.3)	9 (.32)	8 (.3)	8 (.3)	8 (.3)	11 (.3)

Contact type						
C	C	C	C	C	C	C
		B	B	B	B	B
		A	A	A	A	A



B 70 500 828	E 70 500 813	Q 70 500 840	T 70 500 870	B9	21 416 364
R49 (1.92)	Flat R47 (1.85)	Lever R26 (1.02)	R15.5 (.61)	Operation B9	Plate Mounting Screw
1.2 (4.2)	1.2 (4.2)	2.8 (9.9)	4 (14.1)	4 (14.1)	
0.25 (.9)	0.25 (.9)	0.45 (1.6)	0.8 (2.8)	1 (3.5)	
6.2 (.24)	6.2 (.24)	3.2 (.125)	1.45 (.057)	1.5 (.059)	
2.1 ^{±0.9} (.083 ^{±0.035})	2.1 ^{±0.9} (.083 ^{±0.035})	1.05 ^{±0.4} (.041 ^{±0.016})	0.5 ^{±0.2} (.02 ^{±0.008})	0.5 ^{±0.2} (.02 ^{±0.008})	
8.4 (.33)	7.5 (.31)	4.5 (.18)	1.9 (.075)	1.9 (.075)	

Y 70 500 206	H 70 500 208	O2 70 500 218	K2 2-pole vertical mounting plate
Y Side plate	H Horizontal single-pole mounting plate	O2 2-pole side mounting plate	

To order, specify :				
1 Switch Type	2 Contact Type	3 Connection	Example : 831810 C 2 • Ø	4 Actuators
831060	C	1		A
831090	B	2		T
831120	A	3		B9
831540			To order actuators separately, use the 8 digit P/N	Ø = No actuator
				E
				Q
				5 Actuator Position
				L - Left (Standard)
				R - Right

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