

MINIATURE MICROSWITCHES - POSITIVE BREAK

832607

- › Coil spring snap-action mechanism with wiping contacts
- › Positive opening action according to IEC 60947-5-1 Annex K
- › 6 A 250 V \sim max rating
- › Operating temperature -40 °C to +125 °C
- › Very long life
- › Extended range of terminals - Stainless steel actuators
- › cURus and CCC approved



Main specifications

Main specifications		Positive break 832607
Function	Connections	
I (changeover)	W2 (solder)	83260702
I (changeover)	W3 (QC 6.3x0.8)	83260704
I (changeover)	W6 (QC 4.8x0.5)	83260706
I (changeover)	W5 (screw + clamp)	●
I (changeover)	X1 (PCB, straight)	83260765
I (changeover)	X2 (PCB, rear)	83260768
I (changeover)	X3 (PCB, front)	83260708
R (normally closed)	W2 (solder)	83260701
R (normally closed)	W3 (QC 6.3x0.8)	83260703
R (normally closed)	W6 (QC 4.8x0.5)	83260705
R (normally closed)	W5 (screw + clamp)	●
R (normally closed)	X2 (PCB, rear)	83260732
R (normally closed)	X3 (PCB, front)	83260707
Electrical characteristics		
Positive opening action		→
Rating nominal / 250 V \sim (A)		6
Thermal current (I _{th}) (A)		10
Mechanical characteristics		
Maximum operating force (N)		4
Min. Release force (N)		1.5
Minimum positive opening force (N)		18
Max. Allowable overtravel force (N)		200
Rest position max. (mm)		15.7
Operating position (mm)		14.8 ^{+0.3}
Positive opening position (mm)		13.5
Maximum differential travel (mm)		0.3
Min. overtravel (mm)		1.3
Ambient operating temperature (°C)		-40 → +125
Mechanical life (operations)		10 ⁷
Contact gap (mm)		1.2
Weight (g)		7

Additional specifications

- Case: PET GF (UL 94-V0 / GWFI 960 °C / GWIT 775 °C)
- Button: PA66 GF (UL 94-V0 / GWFI 960 °C)
- Contacts: silver alloy
- Terminals: brass (except W2/X: copper nickel), silver plated common
- Levers: stainless steel, polyamide roller
- Degree of protection: IP40 (mechanism)
- Recommended actuating speed: 0.25 mm/s to 0.5 m/s
- Rated insulation voltage U_i: 250 V
- Impulse withstand voltage U_{imp}: 4 kV
- Certification marks:

Product adaptations



- › Special levers: special shapes and lengths
- › Lever mounted on position A for higher ratio
- › Special connections: angled, full wiring with custom connector....

Standard product

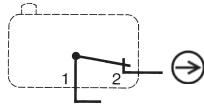
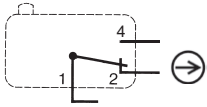
Product made to order



Contact us

Principles

Single break snap-action switch with positive opening action on NC contacts (1-2) according to IEC 60947-5-1 Annex K
 Changeover - SPDT (form C) Normally closed - SPST-NC (form B)



Curves

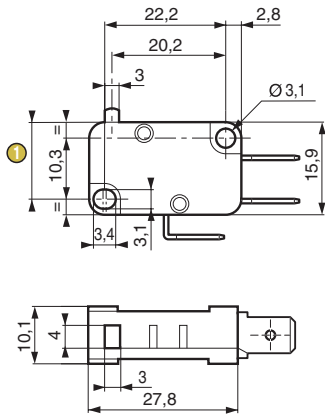
Electrical life

- Resistive load: 250 V \sim 6 A: 10^5 cycles
- Inductive load (IEC 60947-5-1): AC15: 250 V \sim 6 A: 0.3×10^5 cycles
 DC13: 24 V --- 20 W L/R = 40 ms: 3×10^5 cycles
 120 V --- 20W L/R = 40 ms: 5×10^5 cycles

Dimensions

Product

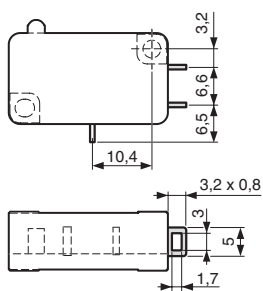
832607



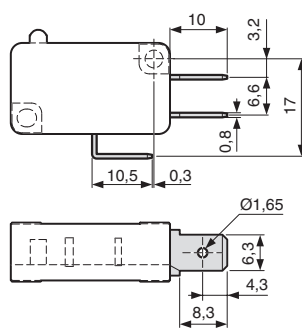
① Total travel position = 13.2 max.

Connections

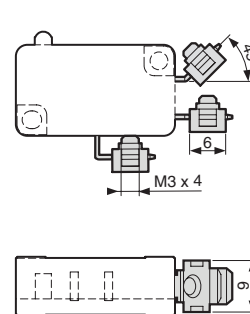
W2 solder



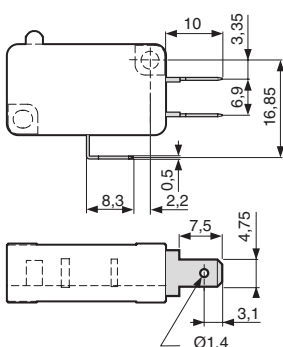
W3 quick-connect 6.3 x 0.8



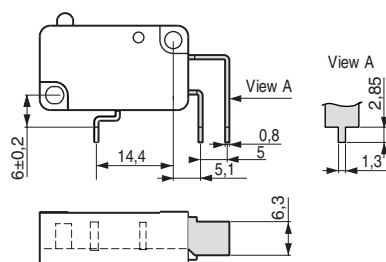
W5 screw with clamp



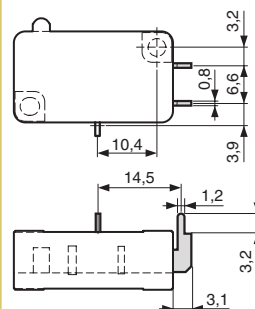
W6 quick-connect 4.8x0.5



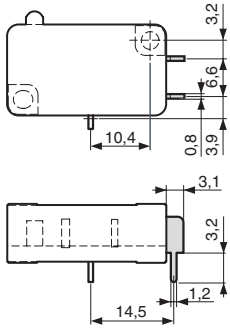
X1 for PCB, straight output



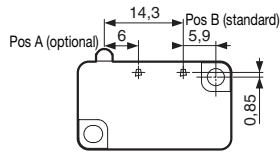
X2 for PCB, rear output



X3 for PCB, front output

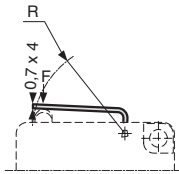


Actuator mounting position

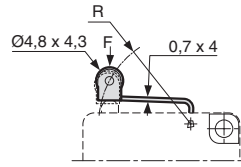


Actuators

260A flat


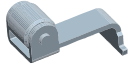


260E roller



Other shapes and dimensions: consult us

Actuators and mounting accessories

Actuators		Flat 260A R16.8	Roller 260E R16
			
Operating force - max.	N	4	4
Release force - min.	N	1	1
Min. positive opening force	N	18	18
Maximum rest position	mm	16.4	21.5
Operating position	mm	15.5 ±0.3	20.6 ±0.45
Positive opening position	mm	14.2	19.3
Maximum total travel position	mm	14.1	19.2

Levers are assembled in our factories

832607 microswitches with referenced actuators

	Actuators	260A R16.8 Pos B	206E R16 Pos B
832607	I W2	●	83260735
	I W3	●	83260710
	I W5	●	83260764
	I X3	●	83260736
	R W2	●	83260734
	R W3	●	83260711
	R W5	●	●
	R X3	●	83260714

Installation recommendations

See "Basic technical concepts"

How to order

Use the 8 digit part numbers when they are defined

Other cases, precise: Type of microswitch - Function - Connection - Actuator* - Fixing position*

* if needed

Example: 832607 R W2 260A R16.8 B

Standard product

Product made to order



Contact us

Warning:

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