

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 (Ith) (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 \pm 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 Ui: 250 V
- Impulse withstand voltage Uimp: 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

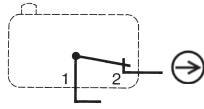
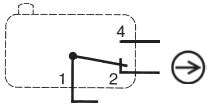
Product made to order



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

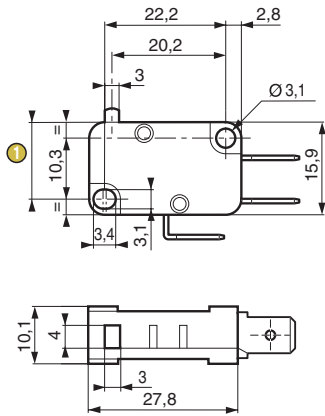
Electrical life

- Resistive load: 250 V~ 6 A: 10⁵ cycles
- Inductive load (IEC 60947-5-1) : AC15: 250 V~ 6 A: 0.3 x 10⁵ cycles
 DC13: 24 V--- 20 W L/R = 40 ms: 3 x 10⁵ cycles
 120 V--- 20W L/R = 40 ms: 5 x 10⁵ cycles

Dimensions

Product

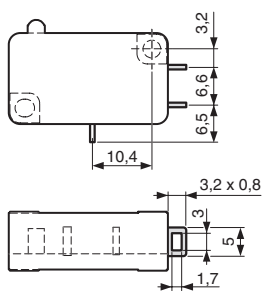
832607



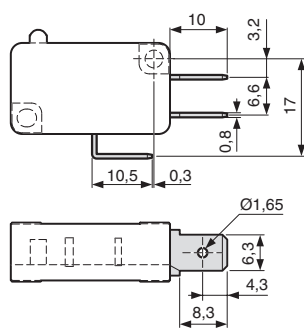
① Total travel position = 13.2 max.

Connections

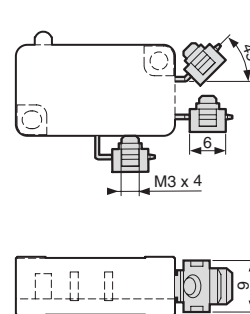
W2 solder



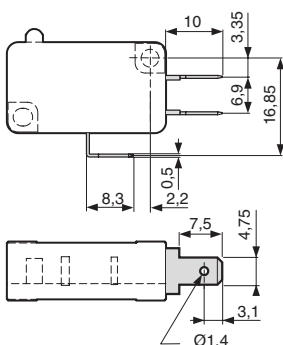
W3 quick-connect 6.3 x 0.8



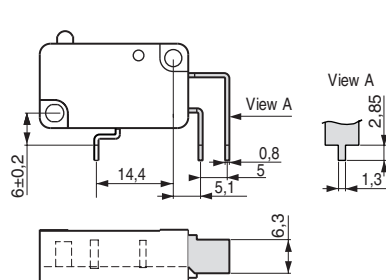
W5 screw with clamp



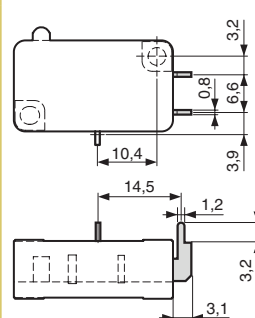
W6 quick-connect 4.8x0.5



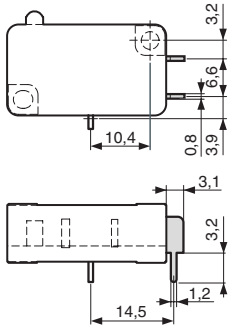
X1 for PCB, straight output



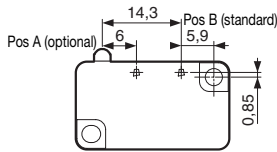
X2 for PCB, rear output



X3 for PCB, front output

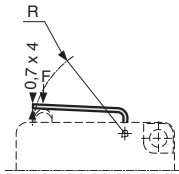


Actuator mounting position

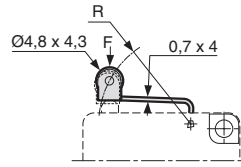


Actuators

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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