



SERIES 1080 - MINIATURE SNAP-ACTION SWITCHES

TO 21 (8) A 250 V AC



PRODUCT FEATURES

- The precise mounting of the moving contact part (milled bearing blade) offers optimum snap-action even with slow actuation
- Wide range of ratings from 3 (1) A 250 V AC to 21 (8) A 250 V AC
- Versions with gold plated contacts for signal current applications
- Various auxiliary actuators, two suspension points

ON REQUEST

- Low operating forces (≤ 0.15 N)
- Customized additional actuators
- Plug terminal 4.8 x 0.5 mm

Design	DIN 41635 A
Mechanical life endurance	2E6 (basic type 1080) 20E4 (basic type 1085)
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40 (actuator side)
Ambient temperature	-40 °C ... +125 °C
Flammability	UL 94 V-0
Glow wire test temperature	850 °C
Material actuator additional actuator housing terminals	PETP glass fiber-reinforced stainless steel PA glass fiber-reinforced / PETP glass fiber-reinforced silver plated / CuZn
Bounce time	< 10 ms
Approval marks	 /  / 
Suitable for appliances of protection class II under compliance with the installation conditions required on the equipment side	

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH 'N' DRIVE



										
21 (8) A 250 V AC 1E4										
16 (8) A 250 V AC 1E4										
16 (4) A 250 V AC 5E4										
16 (4) A 250 V AC 25E3										
10 (4) A 250 V AC 25E3										
6 (2) A 250 V AC 5E4										
4 (4) A 250 V AC 5E4										
3 (1) A 250 V AC 5E4										
3 (1) A 250 V AC 25E3										
21 A 250 V AC 2 HP										
21 A 125 V AC 1 HP										
16 A 250 V AC 1/2 HP										
16 A 125 - 250 V AC 1/2 HP										
16 A 125 V AC 1/3 HP										
10 A 250 V AC 1/3 HP										
10 A 125 V AC 1/8 HP										
3 A 125 - 250 V AC										
Terminal type										
Terminal description										
Contact material										
Operating force (N)										
Operating position (OP) (mm)										
Difference travel max. (mm)										
Free position (FP) max. (mm)										
Permissible total travel position (TP) (mm)										
Actuator description										
Lever drawing										
Contact distance (mm)										
EN 60335 cap. 30 conform "G"										
Stock version										



Technical drawing of a mechanical part, showing a side view and a front view. The side view (left) includes dimensions: 10.3 (height), 3.1 (width), 20.25 (width), 16.2 (width), $\varnothing 3.1$ (hole diameter), 15.9 (height), 3.3 (width), 22.2 (width), and 27.8 (width). The front view (right) includes dimensions: 10.3 (height), 4 (width), and 10 (height).

Technical drawing of a mechanical part, showing a side view and a cross-section. The side view includes dimensions: 10.3, 3.1, 20.25, 16.8, 3.3, 22.2, 27.8, 5, 10.2, 15.9, and a hole diameter of $\phi 3.1$. The cross-section shows a diameter of 10.3 and a thickness of 4.

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions in millimeters. The drawing includes a side view and a cross-sectional view.

Dimensions:

- Overall width: 10.3
- Distance from left edge to center of hole: 3.1
- Distance from left edge to center of hole (bottom view): 3.3
- Distance from left edge to center of hole (bottom view): 22.2
- Distance from left edge to center of hole (bottom view): 27.8
- Distance from center of hole to right edge: 20.25
- Distance from center of hole to right edge: 16.8
- Distance from center of hole to right edge: 83.1
- Distance from center of hole to right edge: 11.7
- Distance from center of hole to right edge: 10.9
- Distance from center of hole to right edge: 15.9
- Distance from center of hole to right edge: 4
- Distance from center of hole to right edge: 10.3
- Distance from center of hole to right edge: 4

Technical drawing of a mechanical part, showing a side view and a front view. The side view (left) includes dimensions: 10.3 (height), 3.1 (width), 3.3 (width), 22.2 (width), 27.8 (width), 15.9 (height), 8.4 (width), 20.25 (width), and 83.1 (width). The front view (right) includes dimensions: 10.3 (height), 4 (width), and 8.2 (height).

Technical drawing of a mechanical part, showing a side view and a front view. The side view includes dimensions: 10.3, 3.1, 3.3, 22.2, 27.8, 15.9, 6.2, 20.25, and a hole diameter of $\varnothing 3.1$. The front view includes dimensions: 10.3, 4, and 5.75.

⌈ PCB terminal
standing

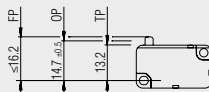


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T0 21 (8) A 250 V AC



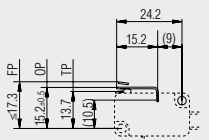
Switching positions



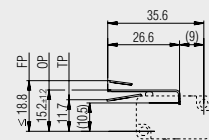
FP: free position
OP: operating position
TP: permissible total travel position



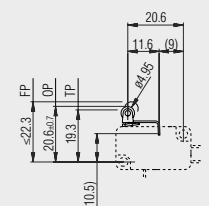
Auxiliary actuators



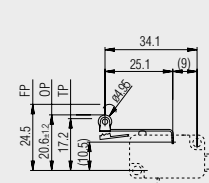
L01: straight lever
191.080.091



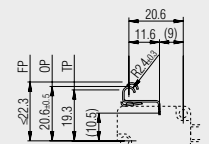
L02: straight lever
191.080.101



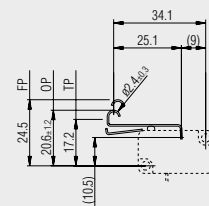
L11: roller lever
191.079.013



L12: roller lever
191.079.023



L21: simulated roller
191.080.451



L22: simulated roller
191.080.471

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