

**Actuator with snap-action switching element****Switching system**

Self-cleaning, double-break, snap-action switching system (with contact gap 2 x 1.5 mm).  
Max. 2 normally closed or 2 normally open contacts, or one of each.

**Material****Lens**

Polymethylmethacrylate PMMA, as per UL 94 HB, Polycarbonate (PC), as per UL 94 V0

**Front bezel**

Polyphenylenoxide (PPO)

**Material of contact**

Hard silver

**Actuator housing**

Polyamide (PA), Polytherimide (PEI)

**Mechanical characteristics****Terminals**

Screw terminal (with self-lifting clip):  
Max. wire cross-section 2 x 2.5 mm<sup>2</sup>  
Max. wire cross-section of stranded cable 2 x 1.5 mm<sup>2</sup>

Plug-in terminal 6.3 x 0.8 mm

**Actuating force**

with 1 switching element 3.6 N ± 0.3 N  
with 2 switching elements 6.8 N ± 0.3 N

**Actuating travel**

5.5 mm ± 0.2 mm

**Travel**

3 mm

**Rebound time**

≤ 3 ms

**Mechanical lifetime**

Illuminated pushbutton 1 million operations  
Keylock switch 40 000 operations

**Electrical characteristics****Contact resistance**

Starting value ≤ 50 mΩ, as per IEC 60512-2-4

**Isolation resistance**

≥ 100 MΩ between all contacts at 100 VDC, as per IEC 60512-3-1

**Switch rating**

Power rating  
min. 12 VAC, 50 mA  
max. 400 VAC, 10 A

Switch rating AC (cos φ 0.7), service category AC-11

Voltage 125 VAC 250 VAC 380 VAC

Current 8 A 5 A 3 A

Operations ≥ 100 000

Switch rating DC (inductive) L:R = 30 ms, service categorie DC-11

Voltage 24 V 60 V 110 V 220 V

Current 6 A 1.5 A 0.4 A 0.2 A

Operations ≥ 100 000

**Electric strength**

2500 VAC, 50 Hz, 1 min. between all terminals and earth, as per IEC 60512-2-11.

**Environmental conditions****Storage temperature**

-40 °C ... +95 °C

**Service temperature**

-25 °C ... +85 °C

**Protection degree**

Terminal/case IP 20

Front IP 65 as per IEC 60529

**Shock resistance**

50 g for 11 ms, as per IEC 60512-4-3

**Vibration resistance**

(sinusoidal)

10 g at 10 Hz ... 2000 Hz, amplitude 0.75 mm, as per IEC 60512-4-4

**Approvals****Approbations**

CB (IEC 61058)

CSA

ENEC (EN 61058)

UL

**Declaration of conformity**

CE



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