

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), Polyetherimide (PEI)

Mechanical characteristics**Terminals**

Screw terminal (with self-lifting clip):
Max. wire cross-section 2 x 2.5 mm²
Max. wire cross-section of stranded cable 2 x 1.5 mm²

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