

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

Single-break, snap-action switching system.
1 normally open contact

Material**Material of contact**

Gold plated Silver, Silver plated

Switch housing

Polyetherimide (PEI), self-extinguishing

Actuator housing

Polyphenyleneoxide (PPO), self-extinguishing, colour black

Mechanical characteristics**Terminals**

Universal terminal:
Max. wire diameter 2 x 0.8 mm
Max. wire cross-section of stranded cable 1 x 0.75 mm²

Plug-in terminal: 2.0 x 0.5 mm

For these terminals we can also supply a plug-in base which, when soldered on to the board, enables the switch to be plugged in.

Tightening torque

for fixing nut max. 20 Ncm

Actuating force

1.6 N

Actuating travel

2.8 mm ±0.2 mm

Mechanical lifetime

2 million operations

Electrical characteristics**Switch rating**

Silver plated:
Max. 50 VAC, 0.8 A/72 VDC, 0.7 A
Min. 20 V, 10 mA

Gold plated:
Max. 50 VAC, 100 mA/72 VDC, 70 mA
Min. 100 µV, 50 µA

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 ... +85 °C

Service temperature

without illumination -25 °C ... +65 °C
with incandescent lamp -25 °C ... +45 °C
with LED -25 °C ... +65 °C
for indicators and illuminated pushbuttons mounted as a block,
make sure the heat can escape freely

Protection degree

IP 40 front side, as per IEC 60529

Actuator with low level switching element**Switching system**

This low-level switching system was designed for switching low powers in electronic circuits. The switching system assures reliable switching of loads.

Single-break momentary contact, as normally open or normally closed with 4 independent points of contact.

Special features are the long life, extremely short rebound time and stable contact resistance.

1 normally open or 1 normally closed contact.

Material**Material of contact**

Gold plated

Actuator housing

Polyphenyleneoxide (PPO), self-extinguishing, colour black

Mechanical characteristics**Terminals**

Universal terminal:

Max. wire diameter 2 x 0.8mm

Max. wire cross-section of stranded cable 1 x 0.75 mm²

Plug-in terminal: 2.0 x 0.5mm

For these terminals we can also supply a plug-in base which, when soldered on to the board, enables the switch to be plugged in.

Tightening torque

for fixing nut max. 20Ncm

Actuating force

1.8N ±0.3N

Actuating travel

2.8mm ±0.2mm

Rebound time

Typ. < 100µs

Mechanical lifetime

5 million operations

Electrical characteristics**Contact resistance**

≤ 50mΩ starting value (initial) as per IEC 60512-2-2b

Switch rating

10µA, 100µV to 100mA at 42VAC/VDC

Electric strength

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

Environmental conditions**Storage temperature**

-40°C ... +85°C

Service temperature

without illumination -25°C ... +65°C

with incandescent lamp -25°C ... +45°C

with LED -25°C ... +65°C

for indicators and illuminated pushbuttons mounted as a block, make sure the heat can escape freely

Protection degree

IP 40 front side, as per IEC 60529

Shock resistance

(Single impacts, semi-sinusoidal)

15g for 11 ms, as per IEC 60512-4-3, IEC 60068-2-27