



## General characteristics

### Material

Housing

Aluminium-zinc  
alloy

Roller

Plastic

## Contact characteristics

|                                                                  |            |                          |
|------------------------------------------------------------------|------------|--------------------------|
| Type of contact                                                  |            | 2NC Snap action          |
| Thermal current I <sub>th</sub>                                  | A          | 10                       |
| IEC/EN 60947-5-1 designation                                     |            | A300 Q300                |
| Rated insulation voltage U <sub>i</sub>                          | V          | 440                      |
| Rated impulse withstand voltage U <sub>imp</sub>                 | kV         | 4                        |
| Short-circuit protection with fuse                               | Class/A    | 10 gG/SC<br>QUICK FUSE   |
| Switching speed                                                  | min<br>max | m/s<br>0.5<br>m/s<br>1.5 |
| IEC Conventional free air thermal current I <sub>th</sub> ≤ 40°C | A          | 10                       |
| Resistance per pole (average value)                              | mΩ         | <10                      |

## Mechanical features

|                         |             |                                                  |
|-------------------------|-------------|--------------------------------------------------|
| Operating head fixing   |             | Locking bayonet<br>insert                        |
| Operating torque        | Ncm<br>ozin | 3<br>4.25                                        |
| Tightening torque (Max) |             |                                                  |
| Switch fixing           | Nm<br>lbin  | 2.5<br>22.1                                      |
| Contact terminals       | Nm<br>lbin  | 0.8<br>7                                         |
| Body lid screw fixing   | Nm<br>lbin  | 0.8<br>7                                         |
| Conductor section       |             |                                                  |
| AWG/Kcmil               | min<br>max  | 16<br>14                                         |
| IEC                     | min<br>max  | mm <sup>2</sup><br>1.5<br>mm <sup>2</sup><br>2.5 |
| Cable connection        |             | Self-releasing<br>screw terminal                 |
| Cable entry             |             | M20 on the<br>bottom                             |

## Operations

|                      |          |           |
|----------------------|----------|-----------|
| Mechanical life      | cycles   | <10000000 |
| Mechanical operation | cycles/h | 3600      |

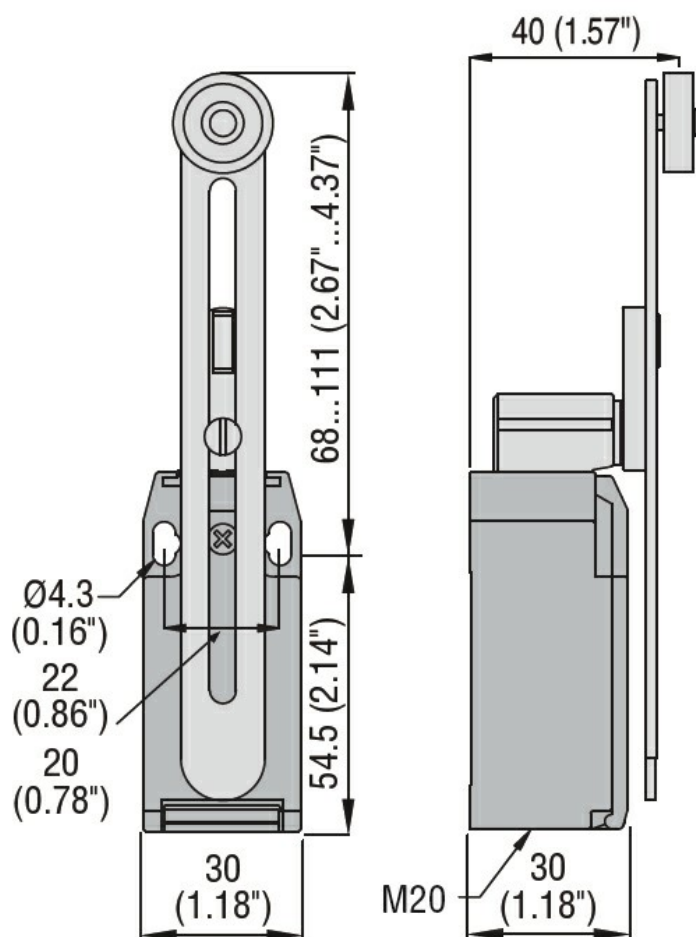
#### Ambient conditions

|             |                       |     |    |     |
|-------------|-----------------------|-----|----|-----|
| Temperature | Operating temperature | min | °C | -25 |
|             |                       | max | °C | +70 |
|             | Storage temperature   | min | °C | -40 |
|             |                       | max | °C | +70 |

#### Resistance & Protection

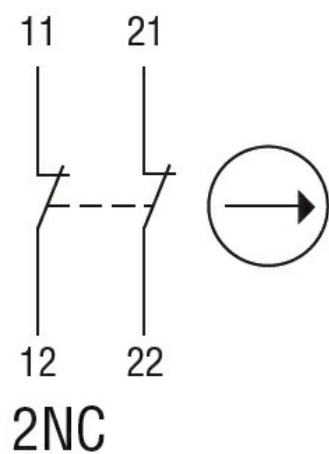
|                  |              |      |
|------------------|--------------|------|
| IP degree        | Terminals    | IP20 |
|                  | Body housing | IP65 |
| Pollution degree |              | 3    |

#### Dimensions



#### Wiring diagrams

## Snap action



### Certifications and compliance

#### Compliance

CSA C22.2 n° 14  
EN 50047  
IEC/EN 60204-1  
IEC/EN 60947-1  
IEC/EN 60947-5-1  
UL508

#### Certificates

CCC  
cULus  
EAC

### ETIM classification

ETIM 8.0

EC000030 - End  
switch