



Hinge operating  
KBP

Product designation

Product type designation

### General characteristics

Material

Housing

Rod

Polymer  
thermoplastic  
Short cylinder  
hinge

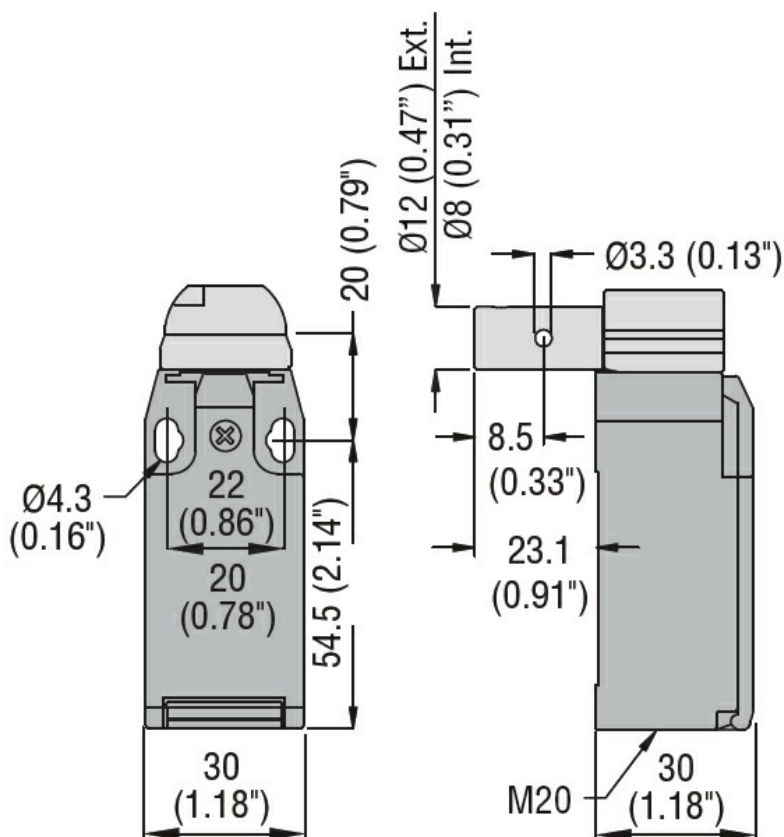
### Contact characteristics

|   |            |                          |
|---|------------|--------------------------|
| Type of contact   |            | 3NC Slow action          |
| Thermal current I <sub>th</sub>                           | A          | 10                       |
| IEC/EN 60947-5-1 designation                              |            | A600 Q300                |
| Rated insulation voltage U <sub>i</sub>                   | V          | 690                      |
| Rated impulse withstand voltage U <sub>imp</sub>          | kV         | 6                        |
| Insulation class  |            | II                       |
| 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> | A          | 10                       |
| Resistance per pole (average value)                       | m?         | <10                      |

### Mechanical features

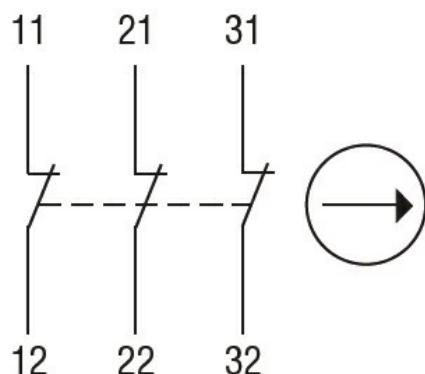
|                         |             |  |
|-------------------------|-------------|--|
| Operating head fixing   |             | Locking bayonet<br>insert                          |
| Operating torque        | Ncm<br>ozin | 15<br>21.2   |
| Tightening torque (Max) |             |  |
| Switch fixing           | 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>1or 2<br>mm <sup>2</sup><br>2.5 |

|                         |  |     |              |                               |
|-------------------------|--|-----|--------------|-------------------------------|
| Cable connection        |  |     |              | Self-releasing screw terminal |
| Cable entry             |  |     |              | M20 on the bottom             |
| Operations              |  |     |              |                               |
| Mechanical life         |  |     | cycles       | 100000                        |
| B10d                    |  |     | cycles       | 100000                        |
| 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

## Slow action



## 3NC

### 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