



Product designation

Top roller push  
plunger

Product type designation

KBB

### General characteristics

Material

Housing

Roller

Polymer  
thermoplastic  
Metal

### Contact characteristics

|                                               |            |                          |
|-----------------------------------------------|------------|--------------------------|
| Type of contact                               |            | 1NO+1NC Slow<br>action   |
| Thermal current Ith                           | A          | 10                       |
| IEC/EN 60947-5-1 designation                  |            | A600 Q300                |
| Rated insulation voltage Ui                   | V          | 690                      |
| Rated impulse withstand voltage Uimp          | 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 Ith | A          | 10                       |
| Resistance per pole (average value)           | m?         | <10                      |

### Mechanical features

|                         |            |                                                    |
|-------------------------|------------|----------------------------------------------------|
| Operating head fixing   |            | Locking bayonet<br>insert                          |
| Operating torque        | N<br>lb    | 5<br>1.1                                           |
| 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   | <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

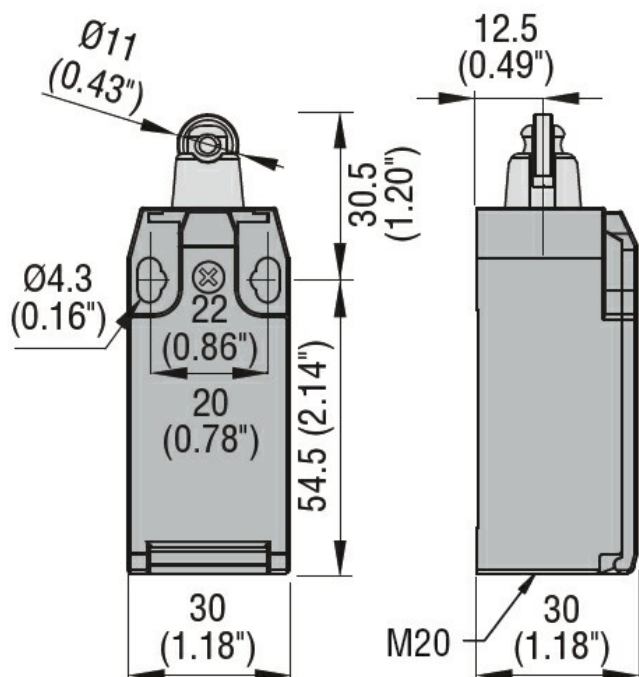
##### IP degree

|              |      |
|--------------|------|
| Terminals    | IP20 |
| Body housing | IP65 |

##### Pollution degree

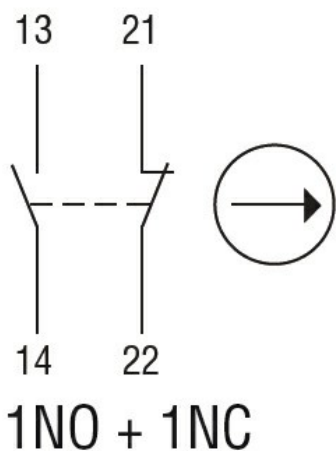
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#### Dimensions



#### Wiring diagrams

## Slow 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