# KBF1S11

LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 1NO+1NC SNAP ACTION. PLASTIC ROLLER

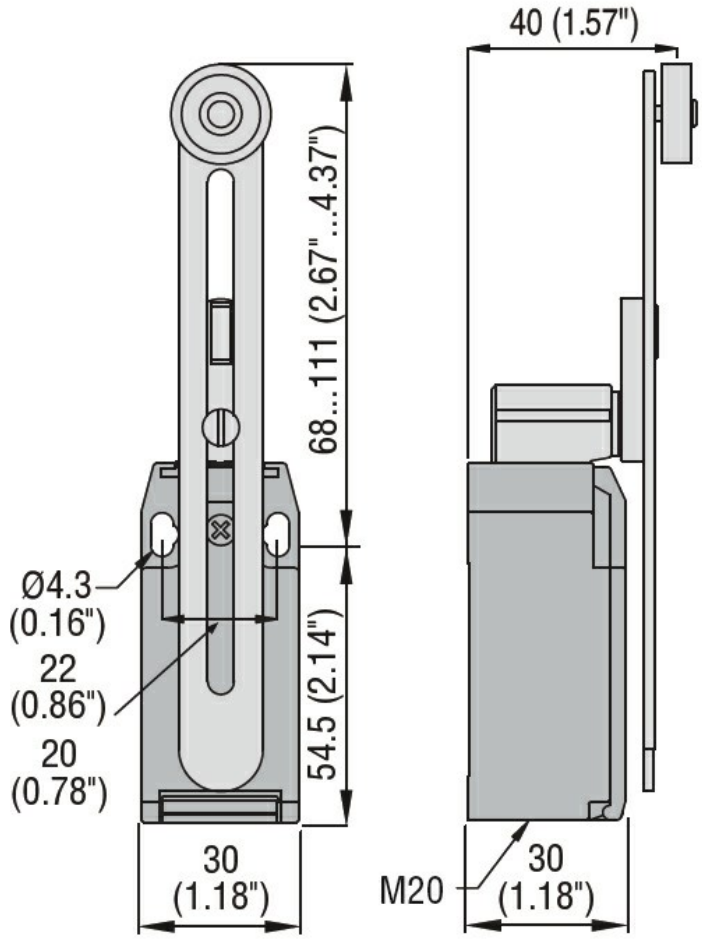


| | | | |
|---|---|---|---|
| Product designation | | | Adjustable roller lever |
| Product type designation | | | KBF |
| **General characteristics** | | | |
| Material | | | |
| | Housing | | Polymer thermoplastic |
| | Roller | | Plastic |
| **Contact characteristics** | | | |
| Type of contact | | | 1NO+1NC Snap action |
| Thermal current Ith | | A | 10 |
| IEC/EN 60947-5-1 designation | | | A600 Q600 |
| 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 QUICK FUSE |
| Switching speed | | | |
| | min | m/s | 0.5 |
| | max | m/s | 1.5 |
| IEC Conventional free air thermal current Ith | | A | 10 |
| Resistance per pole (average value) | | mΩ | <10 |
| **Mechanical features** | | | |
| Operating head fixing | | | Locking bayonet insert |
| Operating torque | | | |
| | | Ncm | 3 |
| | | ozin | 4.25 |
| Tightening torque (Max) | | | |
| Switch fixing | | | |
| | | Nm | 2.5 |
| | | lbin | 22.1 |
| Contact terminals | | | |
| | | Nm | 0.8 |
| | | lbin | 7 |
| Body lid screw fixing | | | |
| | | Nm | 0.8 |
| | | lbin | 7 |
| Conductor section | | | |
| AWG/Kcmil | | | |
| | min | | 16 |
| | max | | 14 |
| IEC | | | |
| | min | mm² | 1or 2 |
| | max | mm² | 2.5 |


The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

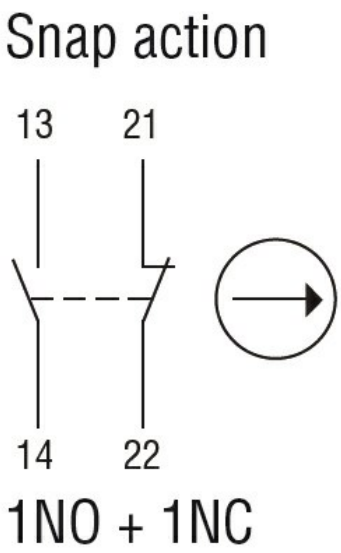
| | | | |
|---|---|---|---|
| Cable connection | | | Self-releasing screw terminal |
| Cable entry | | | M20 on the bottom |
| **Operations** | | | |
| Mechanical life | | cycles | <10000000 |
| Mechanical operation | | cycles/h | 3600 |
| **Ambient conditions** | | | |
| Temperature | | | |
| | Operating 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 | | | 3 |

## Dimensions




## Wiring diagrams


The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding




## 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 |


The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding