# KBP1L03

LIMIT SWITCH, K SERIES, HINGE OPERATING, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 3NC SLOW ACTION. SHORT CYLINDER SHAFT



| | | | |
|---|---|---|---|
| Product designation | | | Hinge operating |
| Product type designation | | | KBP |
| **General characteristics** | | | |
| **General characteristics** | | | |
| Housing Material | | | Polymer thermoplastic |
| Rod material | | | Short cylinder hinge |
| **Contact characteristics** | | | |
| Type of contact | | | 3NC Slow 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 |
| **Operations** | | | |
| Mechanical life | | cycles | 100000 |
| B10d | | cycles | 100000 |
| Mechanical operation | | cycles/h | 3600 |
| **Output characteristics** | | | |
| Mechanical life | | cycles | 100000 |
| **Mechanical features** | | | |
| Operating head fixing | | | Locking bayonet insert |
| Operating torque | | | |
| | | Ncm | 15 |
| | | ozin | 21.2 |
| 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 | | | |

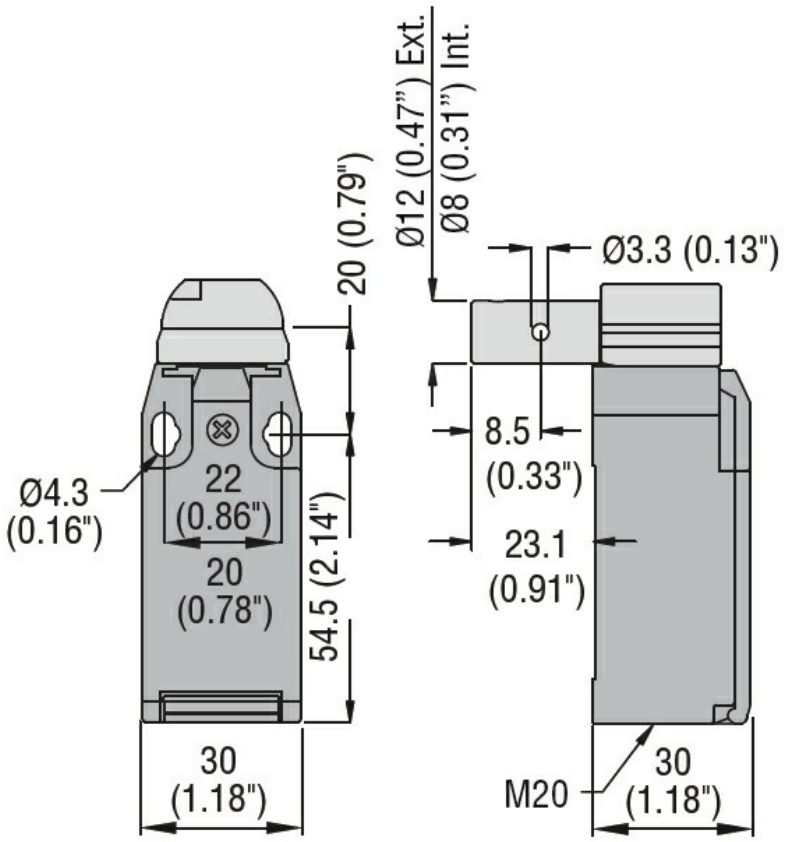

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

| | | | | |
|---|---|---|---|---|
| | AWG/Kcmil | | | |
| | | min | | 16 |
| | | max | | 14 |
| | IEC | | | |
| | | min | mm² | 1or 2 |
| | | max | mm² | 2.5 |
| Cable connection | | | | Self-releasing screw terminal |
| Cable entry | | | | M20 on the bottom |

## Ambient conditions

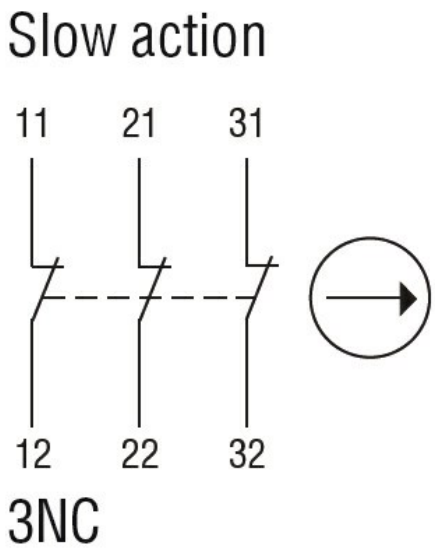
| | | | | |
|---|---|---|---|---|
| Pollution degree | | | | 3 |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +70 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +70 |

## 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