

## **KBL1D02** LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC INDEPENDENT. PLASTIC ROD



| Product designation                           |         |          | Adjustable rod<br>lever                    |
|---|---------|----------|--|
| Product type designation                      |         |          | KBL  |
| General characteristics                       |         |          |  |
| Material                                      | Housing |          | Polymer<br>thermoplastic<br>Aluminium-zinc |
|   | Rod     |          | alloy                                      |
| Contact characteristics                       |         |          |  |
| Type of contact                               |         |          | 2NC Indipendent                            |
| Thermal current Ith                           |         | А        | 10   |
| IEC/EN 60947-5-1 designation                  |         |          | A600 Q300                                  |
| Rated insulation voltage Ui                   |         | V        | 690  |
| Rated impulse withstand voltage Uimp          |         | kV       | 6  |
| Insulation class                              |         |          | 11   |
| Short-circuit protection with fuse            |         | Class/A  | 10 gG/SC<br>QUICK FUSE                     |
| Switching speed                               |         |          | 0 F  |
|   | min     | m/s      | 0.5  |
| IEC Conventional free air thermal current Ith | max     | m/s<br>A | 1.5<br>10                                  |
| Resistance per pole (average value)           |         | mΩ       | <10  |
| Mechanical features                           |         | 11152    | <10  |
| Operating head fixing                         |         |          | Locking bayonet                            |
| Operating torque                              |         |          |  |
|   |         | Ncm      | 3  |
|   |         | ozin     | 4.25                                       |
| Tightening torque (Max)                       |         |          |  |
| Switch fixing                                 |         |          |  |
|   |         | Nm       | 2.5  |
|   |         | lbin     | 22.1                                       |
| Contact terminals                             |         |          |  |
|   |         | Nm       | 0.8  |
| Body lid screw fixing                         |         | lbin     | 7  |
| Body lid screw fixing                         |         | Nm       | 0.8  |
|   |         | lbin     | 7  |
| Conductor section                             |         |          | 1  |
| 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

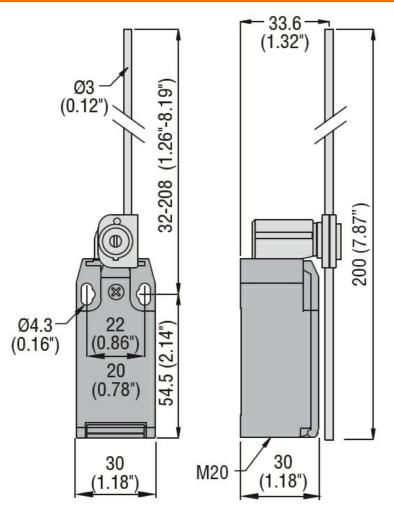


ENERGY AND AUTOMATION

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|                         |              |          | 0 1 1          |
|-------------------------|--------------|----------|----------------|
| Cable connection        |              |          | Self-releasing |
|                         |              |          | screw terminal |
| Cable entry             |              |          | M20 on the     |
| -                       |              |          | bottom         |
| Operations              |              |          |                |
| Mechanical life         |              | cycles   | <1000000       |
| Mechanical operation    |              | cycles/h | 3600           |
| Ambient conditions      |              |          |                |
| Temperature             |              |          |                |
| Operating temperature   |              |          |                |
|                         | min          | °C       | -25            |
|                         | max          | °C       | +70            |
| Storage temperature     |              |          |                |
| <b>C</b> 1              | min          | °C       | -40            |
|                         | max          | °C       | +70            |
| Resistance & Protection |              |          |                |
| IP degree               |              |          |                |
| ~                       | Terminals    |          | IP20           |
|                         | Body housing |          | IP65           |
| Pollution degree        |              |          | 3              |

Dimensions

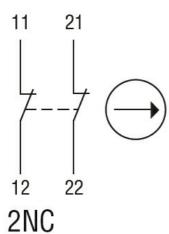


## Wiring diagrams



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## Snap action



| Certifications and com | noliance         |                          |
|------------------------|------------------|--------------------------|
| Compliance             |                  |                          |
| -                      | CSA C22.2 n° 14  |                          |
|                        | EN 50047         |                          |
|                        | IEC/EN 60204-1   |                          |
|                        | IEC/EN 60947-1   |                          |
|                        | IEC/EN 60947-5-1 |                          |
|                        | UL508            |                          |
| Certificates           |                  |                          |
|                        | 202              |                          |
|                        | cULus            |                          |
|                        | EAC              |                          |
| ETIM classification    |                  |                          |
| ETIM 8.0               |                  | EC000030 - End<br>switch |