

LIMIT SWITCH, K SERIES, ADJUSTABLE ROLLER LEVER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 3NC SLOW ACTION. RUBBER ROLLER



KBF3L03

| Product designation | Adjustable roller |
|--------------------------|-------------------|
| | lever |
| Product type designation | KBF |
| General characteristics | |
| Material | |

| Roller Rubber Contact 3NC Slow action Type of contact A 10 Informal current lth A 10 IEC/EN 60947-5-1 designation X 600 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩQ <10 Mechanical features Locking bayonet insert 0 Operating head fixing Locking bayonet insert 0 Operating torque Ncm 3 Operating torque (Max) Switch fixing Nm 0.8 Ibin 7 0 2.1 Conductor section AWG/Kcmil Nm 0.8 Ibin 7 0 2.5 Iso Ibin 7 16 max 14 12 10 | | | Housing | | Polymer thermoplastic |
|---|--------------------------|-------------------------|---------|---------|--------------------------|
| Contact characteristics 3NC Slow action Type of contact A 10 Thermal current th A 10 TeC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Uimp kV 6 Insulation class II 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 Withing speed min m/s 1.5 TEC Conventional free air thermal current th A 10 0 Resistance per pole (average value) mΩ <10 | | | Roller | | |
| Type of contact 3NC Slow action Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 Rated insulation voltage Ui V 690 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10 | Contact characteristic | S | | | |
| Thermal current lth A 10 IEC/EN 60947-5-1 designation A600 Q600 Rated insulation voltage Uin V 680 Rated insulation voltage Uimp kV 6 Insulation class II 10 gG/SC Switching speed Class/A QUICK FUSE Switching speed min m/s 1.5 IEC Conventional free air thermal current lth A 10 0 Mechanical features mon 0.5 0 Operating head fixing Locking bayonet insert 0 0 Operating torque Ncm 3 0 0 Tightening torque (Max) Switch fixing Nm 2.5 1 Body lid screw fixing Nm 0.8 1 1 Rody lid screw fixing Nm 0.8 1 1 Quick reserve Nm 0.8 1 1 Resistance per pole (average value) Nm 2.5 1 1 Operating torque Ncm 3 0 </td <td></td> <td></td> <td></td> <td></td> <td>3NC Slow action</td> | | | | | 3NC Slow action |
| Rated insulation voltage Ui V 690 Rated impulse withstand voltage Uimp kV 6 Insulation class II II Short-circuit protection with fuse Class/A 10 gG/SC OUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 | | | | А | 10 |
| 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 lth A 10 Resistance per pole (average value) mQ <10 | IEC/EN 60947-5-1 de | signation | | | A600 Q600 |
| 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 lth A 10 Resistance per pole (average value) Mechanical features Operating head fixing Operating head fixing Operating torque Nrm 3 ozin 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil IEC min mm ² 10 2 | Rated insulation voltage | ge Ui | | V | 690 |
| Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min max m/s 0.5 max IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 | Rated impulse withsta | nd voltage Uimp | | kV | 6 |
| Since of the function with russ of the second seco | Insulation class | | | | II |
| min m/s 0.5 max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 | Short-circuit protection | n with fuse | | Class/A | |
| max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 | Switching speed | | | | |
| IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 Mechanical features Operating head fixing Locking bayonet insert Operating torque Switch fixing Nrm 3 ozin 4.25 Tightening torque (Max) Switch fixing Nrm 2.5 Ibin 22.1 Contact terminals Nrm 0.8 Ibin 7 Body lid screw fixing Nrm 0.8 Ibin 7 Conductor section AWG/Kcmil AWG/Kcmil IEC min mm² 1or 2 | | | min | m/s | 0.5 |
| Resistance per pole (average value) mΩ <10 | | | max | m/s | 1.5 |
| Mechanical features Locking bayonet insert Operating head fixing Locking bayonet insert Operating torque Ncm 3 ozin Tightening torque (Max) Switch fixing Nm 2.5 Ibin Zender Ibin 22.1 Contact terminals Nm 0.8 Ibin Body lid screw fixing Nm 0.8 Ibin Conductor section AWG/Kcmil min 16 max IEC min mm 10 r 2 | IEC Conventional free | air thermal current Ith | | А | 10 |
| Operating head fixing Locking bayonet insert Operating torque Ncm 3 Tightening torque (Max) Switch fixing 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Contact terminals Nm 0.8 Body lid screw fixing Nm 0.8 Ibin 7 7 Conductor section AWG/Kcmil min 16 IEC min 14 | | average value) | | mΩ | <10 |
| Operating head lixing insert Operating torque Ncm 3 Operating torque (Max) Switch fixing Vite Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min IEC min 16 min mm 10r 2 | Mechanical features | | | | |
| Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min mm 14 | Operating head fixing | | | | • • |
| Image: solution of the second section of the second second section of the second section of the second sectio | Operating torque | | | | |
| Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Ibin 7 Conductor section AWG/Kcmil min 16 IEC min 14 | | | | | |
| Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Min 16 max 14 IEC min mm² 10r 2 | | | | ozin | 4.25 |
| Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil min 7 IEC min 16 min 14 IEC 10r 2 | Tightening torque (Ma | | | | |
| Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil min 7 IEC min mm² 1 or 2 | | Switch fixing | | | |
| Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 16 IEC min 14 | | | | | |
| Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section Nm 0.8 AWG/Kcmil 16 max 14 IEC min mm² | | | | lbin | 22.1 |
| Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 16 IEC 14 | | Contact terminals | | N L | |
| Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Imin AWG/Kcmil min 16 IEC min 14 IEC min 10 2 | | | | | |
| Nm 0.8 Ibin 7 Conductor section AWG/Kcmil | | Dody lid oprow fiving | | IDIN | 1 |
| Ibin 7 Conductor section AWG/Kcmil I | | Body lid screw lixing | | Nm | 0.9 |
| Conductor section AWG/Kcmil min 16 max 14 IEC min mmm² | | | | | |
| AWG/Kcmil min 16 max 14 IEC min mm ² 1 or 2 | Conductor section | | | | |
| min 16 max 14 IEC min mm ² 1 or 2 | | AWG/Kcmil | | | |
| max 14 IEC min mm² 1 or 2 | | | min | | 16 |
| IEC min mm ² 1 or 2 | | | | | |
| min mm² 1or 2 | | IEC | | | |
| | | | min | mm² | 1or 2 |
| | | | | | |



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| | | | RULLER |
|---|-------------------|----------|-------------------------------|
| Cable connection | | | Self-releasing screw terminal |
| Cable entry | | | M20 on the bottom |
| Operations | | | bottom |
| Mechanical life | | cycles | <10000000 |
| Mechanical operation | | cycles/h | 3600 |
| Ambient conditions | | | |
| Temperature | | | |
| Operating temperature | min | °C | 25 |
| | min max | °C ℃ | -25 +70 |
| Storage temperature | Παλ | 0 | +70 |
| otorago tompolataro | min | °C | -40 |
| | max | °C | +70 |
| Resistance & Protection | | | |
| IP degree | | | |
| | Terminals | | IP20 |
| Della Constantina | Body housing | | IP65 |
| Pollution degree Dimensions | | | 3 |
| | | | |
| 42.5 (1.67 | ⁽¹¹⁾] | | |
| Ø50x10 (1.97"x0.39") Ø4.3 (0.16") Ø4.3 (0.16") Ø4.3 (0.16") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.78") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") Ø50x10 (0.16") (0.16") Ø50x10 (0.16") Ø50x10 (0.16") (0.16") Ø50x10 (0.16") Ø50x10 (0.16") (0.16") Ø50x10 (0.16") | | | |

Wiring diagrams

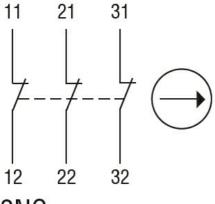
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Slow action



3NC

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|----------------|--------|------------|
| Certifications | and or | amplianco |
| | and co | JIIDIIAILE |
| | | |

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 | n | |
| | | EC000030 - End |

ETIM 8.0

EC000030 - End switch

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