

LIMIT SWITCH, K SERIES, ROLLER LEVER PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 2NO+1NC SLOW ACTION. RUBBER ROLLER



KME3L21

| Product designation | Roller lever plunger |
|--------------------------|-------------------------|
| Product type designation | KME |
| General characteristics | |

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| Roller Rubber Contact 2NO+1NC Slow action Type of contact 2NO+1NC Slow action Thermal current lth A 10 IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Ui V 440 Rated insulation voltage Uinp KV 4 Short-circuit protection with fuse Class/A 10 gG/SC OULCK FUSE Switching speed min m/s 0.5 max m/s 1.5 EEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mQ <10 Mchanical features Operating head fixing Locking bayonet insert Operating torque Ncm 3 22.5 Tightening torque (Max) Switch fixing Nm 2.5 Ibin< 7 Conductor section AWG/Kemil min nf6 max mif 16 max | | | Housing | | Aluminium-zinc alloy |
|---|------------------------------------|-------------|---------|---------|-------------------------|
| Contact characteristics 2NO+1NC Slow action Type of contact 2NO+1NC Slow action Thermal current lth A 10 IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Uin V 440 Rated ingulase withstand voltage Uimp KV 4 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 max m/s 1.5 1.5 IEC conventional free air thermal current Ith A 10 0 Resistance per pole (average value) mΩ <10 | | | Roller | | • |
| Type of contact action Thermal current lth A 10 IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Ui V 440 A A Rated insulation voltage Uimp kV 4 A A Short-circuit protection with fuse Class/A QUICK FUSE QUICK FUSE Switching speed min m/s 0.5 Max Max m/s 1.5 IEC Conventional free air thermal current lth A 10 Resistance per pole (average value) mΩ <10 | Contact characteristics | | i tonoi | | |
| IEC/EN 60947-5-1 designation A300 Q300 Rated insulation voltage Ui V 440 Rated insulation voltage Uimp kV 4 Short-circuit protection with fuse Class/A 10 gG/SC QUICK FUSE Switching speed min m/s 0.5 mix m/s 0.5 1.5 IEC Conventional free air thermal current lth A 10 0 Resistance per pole (average value) mΩ <10 | Type of contact | | | | |
| Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 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) mΩ <10 | Thermal current Ith | | | А | 10 |
| Rated impulse withstand voltage Uimp kV 4 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 designation | | | | A300 Q300 |
| 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 | Rated insulation voltage Ui | | | V | 440 |
| Shint-Circuit protection with fuse Class/A 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) mΩ <10 | Rated impulse withstand voltage I | Jimp | | kV | 4 |
| $\begin{array}{c c c c c c c } & & & & & & & & & & & & & & & & & & &$ | Short-circuit protection 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 | | | 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 Operating torque (Max) Ncm 4.25 Tightening torque (Max) Switch fixing Nm 2.5 Ibin 22.1 Contact terminals Nm 0.8 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 14 IEC min 14 10r 2 10r 2 | | | | 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 Locking bayonet insert Ibin 22.1 Contact terminals Nm 0.8 Ibin 7 10 Body lid screw fixing Nm 0.8 Ibin 7 16 Ibin 14 16 IEC min min 16 | | ie) | | mΩ | <10 |
| Operating nead fixing insert Operating torque Ncm 3 ozin 4.25 Tightening torque (Max) Switch fixing Nm 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 14 | Mechanical features | | | | |
| Ncm 3 Tightening torque (Max) Switch fixing 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 Nm 0.8 AWG/Kcmil min 16 max 14 IEC min mm² min mm² 1or 2 | Operating head fixing | | | | |
| Image: solution of the section of the secti | Operating torque | | | | |
| 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 Ibin AWG/Kcmil min 16 IEC min 14 | | | | Ncm | 3 |
| Switch fixing 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 Nm 0.8 AWG/Kcmil min 16 IEC min 14 IEC min mm | | | | 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 16 IEC min 14 | | | | | |
| 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 16 IEC min 14 IEC min 10r 2 | Switch fix | ng | | | |
| Contact terminals Nm 0.8 Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 16 min 14 IEC min mm² min 10 r 2 | | | | | |
| Nm 0.8 Ibin 7 Body lid screw fixing Nm Nm 0.8 Ibin 7 Conductor section NMG/Kcmil AWG/Kcmil 16 IEC 14 IEC 10 r 2 | - | | | lbin | 22.1 |
| Ibin 7 Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil 7 AWG/Kcmil 16 IEC 14 IEC 10r 2 | Contact te | erminals | | Niss | 0.0 |
| Body lid screw fixing Nm 0.8 Ibin 7 Conductor section AWG/Kcmil Imin AWG/Kcmil 16 IEC 14 IEC 10 r 2 | | | | | |
| Nm 0.8 Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min min 1 or 2 | Pody lid | erow fixing | | IDIN | 1 |
| Ibin 7 Conductor section AWG/Kcmil min 16 max 14 IEC min mm² | Body lid s | crew fixing | | Nm | 0.8 |
| Conductor section AWG/Kcmil min 16 max 14 IEC min mm² | | | | | |
| AWG/Kcmil min 16 max 14 IEC min mm ² 1or 2 | Conductor section | | | | * |
| min 16 max 14 IEC min mm ² 1or 2 | | nil | | | |
| max 14 IEC min mm² 1 or 2 | | | min | | 16 |
| IEC min mm ² 1or 2 | | | | | |
| min mm ² 1or 2 | IEC | | | | |
| max mm ² 2.5 | | | min | mm² | 1or 2 |
| | | | max | mm² | 2.5 |



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| ENERGY AND AUTOMATION | | | | | ROLLER |
|------------------------|--|----------|--------------|----------|-------------------------------|
| 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 temperatu | ire | | | |
| | | | min | °C | -25 |
| | | | max | °C | +70 |
| | Storage temperature | ; | | | |
| | | | min | °C | -40 |
| | | | max | °C | +70 |
| Resistance & Protectio | n | | | | |
| IP degree | | | | | |
| | | | Terminals | | IP20 |
| | | | Body housing | | IP65 |
| Pollution degree | | | | | 3 |
| Dimensions | | | | | |
| | 69.5 (2.73") 69.5 (2.73") 69.5 (2.73") | | | | |

Wiring diagrams

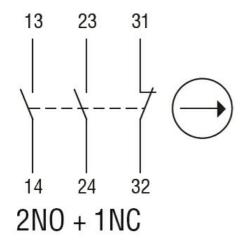
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Slow action



| Certifications and cor | mpliance | |
|------------------------|------------------|----------------|
| Compliance | | |
| | CSA C22.2 n° 14 | |
| | EN 50047 | |
| | IEC/EN 60204-1 | |
| | IEC/EN 60947-1 | |
| | IEC/EN 60947-5-1 | |
| | UL508 | |
| Certificates | | |
| | 000 | |
| | cULus | |
| | EAC | |
| ETIM classification | | |
| ETIM 8.0 | | EC000030 - End |

switch

KME3L21