# KMA1L20

LIMIT SWITCH, K SERIES, TOP PUSH ROD PLUNGER, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, METAL BODY, CONTACTS 2NO SLOW ACTION. METAL PLUNGER



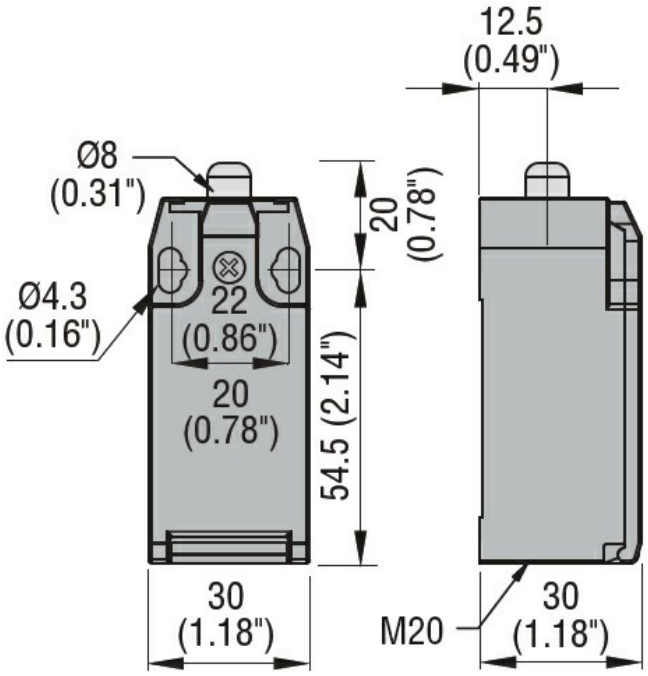
| | | | |
|---|---|---|---|
| Product designation | | | Top push rod plunger |
| Product type designation | | | KMA |
| **General characteristics** | | | |
| Material | | | |
| | Housing | | Aluminium-zinc alloy |
| | Rod | | Aluminium-zinc alloy |
| **Contact characteristics** | | | |
| Type of contact | | | 2NO Slow action |
| Thermal current Ith | | A | 10 |
| IEC/EN 60947-5-1 designation | | | A300 Q300 |
| Rated insulation voltage Ui | | V | 440 |
| Rated impulse withstand voltage Uimp | | kV | 4 |
| 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 | | | |
| | | N | 5 |
| | | lb | 1.1 |
| 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 |


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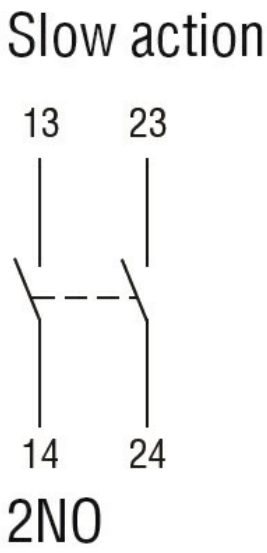
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| | | | |
|---|---|---|---|
| Cable connection | | | Self-releasing screw terminal |
| Cable entry | | | M20 on the bottom |
| **Operations** | | | |
| Mechanical life | | cycles | <10000000 |
| Mechanical operation | | cycles/h | 3600 |
| **Ambient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


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## 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 |


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