

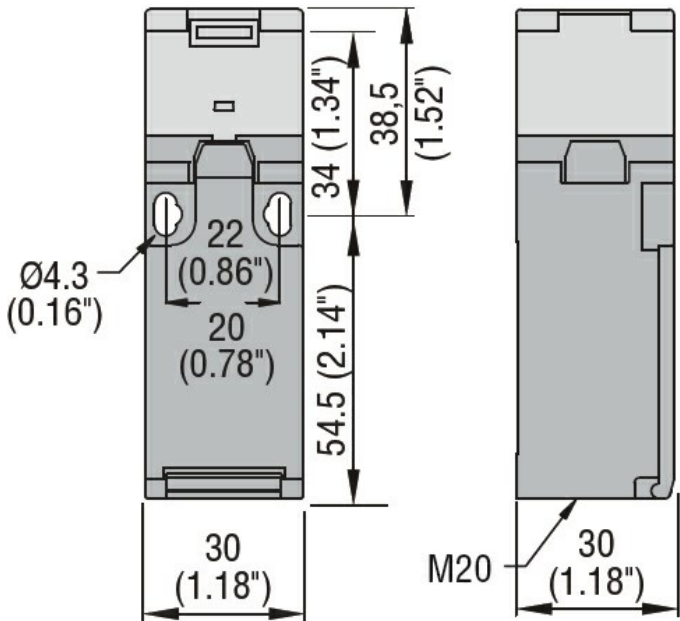


|                                                           |                   |          |                        |
|-----------------------------------------------------------|-------------------|----------|------------------------|
| Product designation                                       |                   |          | Key operated           |
| Product type designation                                  |                   |          | KBN                    |
| General characteristics                                   |                   |          |                        |
| General characteristics                                   |                   |          |                        |
| Housing Material                                          |                   |          | Polymer thermoplastic  |
| Key shape                                                 |                   |          | Angled                 |
| Contact characteristics                                   |                   |          |                        |
| Type of contact                                           |                   |          | 2NC Slow action        |
| Thermal current I <sub>th</sub>                           |                   | A        | 10                     |
| IEC/EN 60947-5-1 designation                              |                   |          | A600 Q600              |
| Rated insulation voltage U <sub>i</sub>                   |                   | V        | 690                    |
| Rated impulse withstand voltage U <sub>imp</sub>          |                   | 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 I <sub>th</sub> |                   | 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                                          |                   |          |                        |
|                                                           |                   | N        | 8                      |
|                                                           |                   | lb       | 1.8                    |
| 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                                                 |                   |          |                        |

LIMIT SWITCH, K SERIES, KEY OPERATED, 1 BOTTOM CABLE ENTRY. DIMENSIONS TO EN 50047, PLASTIC BODY, CONTACTS 2NC SLOW ACTION. ANGLED KEY

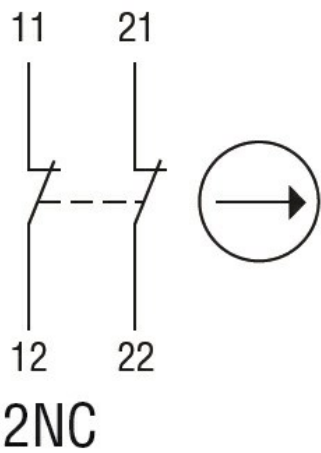
|                       |     |                               |
|-----------------------|-----|-------------------------------|
|                       | min | 16                            |
|                       | max | 14                            |
| IEC                   |     |                               |
|                       | min | mm <sup>2</sup> 1or 2         |
|                       | max | mm <sup>2</sup> 2.5           |
| Cable connection      |     | Self-releasing screw terminal |
| Cable entry           |     | M20 on the bottom             |
| Weight                | g   | 92                            |
| 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

# Slow action



## 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