Position and safety switches
KB plastic series and KM metal series limit switches
dimensions to EN 50047

Ceramic rod lever

Contacts | Rod material | Catalog number |
---|---|---|
1NO+1NC Snap action | Ceramic | KB H1 S11 KM H1 S11 |
2NC Snap action | Ceramic | KB H1 S02 KM H1 S02 |
1NO+1NC Slow break make before break | Ceramic | KB H1 A11 KM H1 A11 |
1NO+1NC Slow break | Ceramic | KB H1 L11 KM H1 L11 |
2NC Slow break | Ceramic | KB H1 L02 KM H1 L02 |
2NO Slow break | Ceramic | KB H1 L20 KM H1 L20 |
1NO+2NC Slow break | Ceramic | KB H1 L12 KM H1 L12 |
2NO+1NC Slow break | Ceramic | KB H1 L21 KM H1 L21 |
3NC Slow break | Ceramic | KB H1 L03 KM H1 L03 |

Adjustable rod lever

Contacts | Rod material | Catalog number |
---|---|---|
1NO+1NC Snap action | Plastic | KB L1 S11 KM L1 S11 |
2NC Snap action | Plastic | KB L1 S02 KM L1 S02 |
1NO+1NC Slow break make before break | Plastic | KB L1 A11 KM L1 A11 |
1NO+1NC Slow break | Plastic | KB L1 L11 KM L1 L11 |
2NC Slow break | Plastic | KB L1 L02 KM L1 L02 |
2NO Slow break | Plastic | KB L1 L20 KM L1 L20 |
1NO+2NC Slow break | Plastic | KB L1 L12 KM L1 L12 |
2NO+1NC Slow break | Plastic | KB L1 L21 KM L1 L21 |
3NC Slow break | Plastic | KB L1 L03 KM L1 L03 |

General characteristics

The LOVATO ELECTRIC limit switches have been designed to satisfy requirements comprising quick installation, wiring ease, simple setup, modularity, sturdiness and constant reliability.

- The body cover has a captive closing screw and is hinged at the bottom and removable. The innovative locking bayonet mechanism consents to remove and reposition the operating head in the required configuration with no tools. The heads have axial rotation of 45° angles.
- The auxiliary contact blocks are removable assuring remarkable wiring simplicity. The heads are made of metal while the body housing of self-extinguishing polymer thermoplastic for the KB types or of aluminum-zinc alloy (zama) for the KM types.

Operational characteristics

- Maximum operating rate: 3600 cy/h
- Switching time: 0.5-1.5ms
- Mechanical life: >10 million cycles
- Rated thermal current Ith: 10A
- UL designation: A600 Q300
- Rated insulation voltage Ui: 690V
- Rated impulse withstand voltage Uimp: 6kV
- Contact capacity: <10mΩ
- Short-circuit backup protection:
  - slow-blow fuse: 10A aM maximum admissible size
  - quick fuse: 16A g0 maximum admissible size
- Wire connection: Self-releasing screw terminal
- Degree of protection:
  - IP20 for terminals
  - IP65 for body housing
- Operators of aluminum-zinc alloy
- Housing:
  - KB series - Self-extinguishing double-insulation polymer thermoplastic
  - KM series - Aluminum-zinc alloy
- Wire entry: M20 standard supplied; 1/2 NPT available (see the side note for details)
- Operating head fixing: Locking bayonet insert
- Operating force: 27 in oz / 3Ncm
- Lever inclination, 360° adjustment at 15° angles positions
- Operating temperature: -13° to +160°F (-25 to +70°C)
- Storage temperature: -40° to +160°F (-40 to +70°C)
- Pollution degree: 3 (suitable for dirty ambient)

Certifications and compliance

Certifications: cULus pending.

To locate additional product specifications and technical drawings go to www.asi-ez.com