

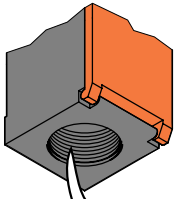
Position and safety switches

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

Key operated

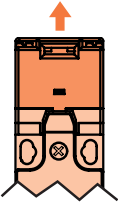


KB N1 L11



M20 ENTRY

For types with 1/2 NPT entry, add the letter N at the end of the catalog number.
E.g. KB N1 L11N



Contacts	Key shape [Ⓢ]	Catalog number [Ⓣ] Plastic body
1NO+1NC Slow break [Ⓛ]	Straight	KB N1 L11
	Angled	KB N2 L11
	Straight "T"	KB N3 L11
	Angled "T"	KB N4 L11
2NC Slow break [Ⓛ]	Straight	KB N1 L02
	Angled	KB N2 L02
	Straight "T"	KB N3 L02
	Angled "T"	KB N4 L02
1NO+2NC Slow break [Ⓛ]	Straight	KB N1 L12
	Angled	KB N2 L12
	Straight "T"	KB N3 L12
	Angled "T"	KB N4 L12
2NO+1NC Slow break [Ⓛ]	Straight	KB N1 L21
	Angled	KB N2 L21
	Straight "T"	KB N3 L21
	Angled "T"	KB N4 L21
3NC Slow break [Ⓛ]	Straight	KB N1 L03
	Angled	KB N2 L03
	Straight "T"	KB N3 L03
	Angled "T"	KB N4 L03

- Ⓛ Direct (positive) operating operation ⊖; safety function according to IEC/EN 60947-5-1.
- Ⓣ Contact Sales & Technical Support for details and pricing.
- Ⓢ The key is standard supplied.

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 heads have axial rotation in any of 4 positions at 90° 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.

Operational characteristics

- Maximum operating rate: 3600 cy/h
- Switching time: 0.5-1.5m/s
- 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
- Class II insulation
- Contact capacity: <10mΩ
- Short-circuit backup protection:
 - slow-blow fuse: 10A aM maximum admissible size
 - quick fuse: 16A gG 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 in self-extinguishing double-insulation polymer thermoplastic
- Wire entry: M20 standard supplied; 1/2 NPT available (see the side note for details)
- Operating head fixing: Locking bayonet insert
- Operating force: 29 oz / 8N
- 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).

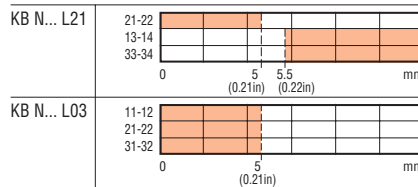
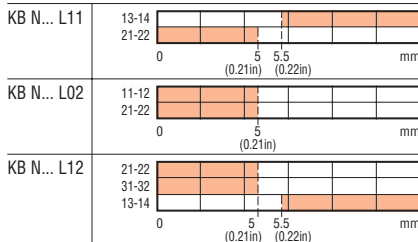
Certifications and compliance

Certifications: cULus pending.
Compliant with standards: IEC/EN 60947-5-1, EN 50047, IEC/EN 60204-1, IEC/EN 60081-1.

- ▶ Forward travel of snap action contacts
- ◀ Return travel of snap action contacts

□ open

■ closed



Accessories and spare parts for key operated switches

Contacts	Catalog number [Ⓣ]
Straight key	K X N1
Angled key	K X N2
Straight "T" key	K X N3
Angles "T" key	K X N4
Toggle key	K X N5

- Ⓣ Contact Sales & Technical Support for details and pricing.

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