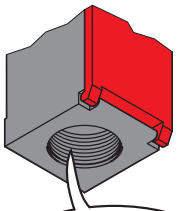
Hinge operating

KB P... - KM P...

KC P... - KN P...

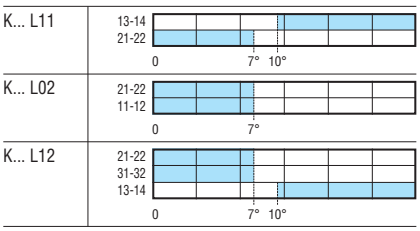


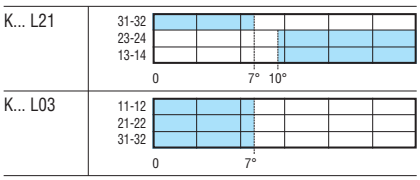
M20 CABLE ENTRY
For types with PG13.5 cable entry, add the letter P at the end of the order code while for ½ NPT, add N.
E.g. KBP1L11P - KBP1L11N

Order code Plastic body	Metal body	Contacts	Shaft features	Qty per pkg	Wt
				n°	[kg]
One bottom cable entry. Dimensions to EN 50047.					
KB P1 L11	**KM P1 L11**	1NO+1NC Slow action❶	Short cylinder	5	❷
KB P2 L11	**KM P2 L11**	1NO+1NC Slow action❶	Long solid	5	❷
KB P3 L11	**KM P3 L11**	1NO+1NC Slow action❶	Long solid w/ reduction	5	❷
KB P1 L02	**KM P1 L02**	2NC Slow action❶	Short cylinder	5	❷
KB P2 L02	**KM P2 L02**	2NC Slow action❶	Long solid	5	❷
KB P3 L02	**KM P3 L02**	2NC Slow action❶	Long solid w/ reduction	5	❷
KB P1 L12	**KM P1 L12**	1NO+2NC Slow action❶	Short cylinder	5	❷
KB P2 L12	**KM P2 L12**	1NO+2NC Slow action❶	Long solid	5	❷
KB P3 L12	**KM P3 L12**	1NO+2NC Slow action❶	Long solid w/ reduction	5	❷
KB P1 L21	**KM P1 L21**	2NO+1NC Slow action❶	Short cylinder	5	❷
KB P2 L21	**KM P2 L21**	2NO+1NC Slow action❶	Long solid	5	❷
KB P3 L21	**KM P3 L21**	2NO+1NC Slow action❶	Long solid w/ reduction	5	❷
KB P1 L03	**KM P1 L03**	3NC Slow action❶	Short cylinder	5	❷
KB P2 L03	**KM P2 L03**	3NC Slow action❶	Long solid	5	❷
KB P3 L03	**KM P3 L03**	3NC Slow action❶	Long solid w/ reduction	5	❷
Two side cable entries. Dimensions compatible to EN 50047.					
KC P1 L11	**KN P1 L11**	1NO+1NC Slow action❶	Short cylinder	5	❷
KC P1 L02	**KN P1 L02**	2NC Slow action❶	Short cylinder	5	❷
KC P1 L12	**KN P1 L12**	1NO+2NC Slow action❶	Short cylinder	5	❷
KC P1 L21	**KN P1 L21**	2NO+1NC Slow action❶	Short cylinder	5	❷
KC P1 L03	**KN P1 L03**	3NC Slow action❶	Short cylinder	5	❷

❶ Direct (positive) opening action ⊖; safety function according to IEC/EN 60947-5-1.
❷ Consult Customer Service for information; see contact details on inside front cover.

open
closed





General characteristics
The LOVATO ELECTRIC limit switches have been designed to satisfy requirements comprising quick installation, easy wiring, simple setup, modularity, sturdiness and constant reliability.
The body cover is hinged at the bottom and removable. The innovative locking bayonet mechanism permits to remove and reposition the operating head in the required configuration with no tools.
The auxiliary contact blocks are removable assuring remarkable wiring ease.

Operational characteristics
- Maximum operating rate: 3600 cycles/h
- Switching speed: 0.5-1.5m/s
- Mechanical life: >10 million cycles
- IEC conventional thermal current Ith: 10A
- UL/CSA and IEC/EN 60947-5-1 designation:
  - A600 Q300 for KB-KC types
  - A300 Q300 for KM-KN types
- IEC rated insulation voltage Ui:
  - 690VAC for KB-KC types
  - 440VAC for KM-KN types
- IEC rated impulse withstand voltage Uimp:
  - 6kV for KB-KC types
  - 4kV for KM-KN types
- Class II insulation for KB-KC only
- Contact resistance: <10mΩ
- Short-circuit backup protection: 10A gG/SC quick fuse
- Operators of aluminium-zinc alloy
- Housing:
  - KB-KC types - Self-extinguishing double-insulation polymer thermoplastic
  - KM-KN types - Aluminium-zinc alloy
- Cable entry: M20 standard supplied; PG13.5 and ½ NPT available (see the side note for details)
- Operating head fixing: Locking bayonet insert
- Operating torque: 15Ncm/21.2ozin
- Cable connection: Self-releasing screw terminal
- Tightening torque:
  - Switch fixing: 2.5Nm / 22.1lbin
  - Contact terminals: 0.8Nm / 7lbin
  - Body lid screw fixing: 0.8Nm / 7lbin
- Conductor section: 1 or 2 2.5mm² max / 16-14 AWG
- Ambient conditions:
  - Operating temperature: -25 ... +70°C
  - Storage temperature: -40 ... +70°C
  - Pollution degree: 3
  - IEC degree of protection: IP20 for terminals
  - IEC degree of protection: IP65 for body housing.

Certifications and compliance
Certifications obtained: EAC, UL Listed for USA and Canada (cULus - File E93601), as Auxiliary Devices - Limit switches.
Compliant with standards: EN 50047, IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60204-1, UL508, CSA C22.2 n° 14.

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