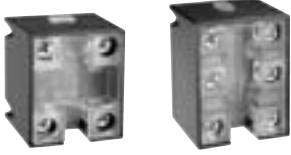


# Position and safety switches

## Accessories and spare parts for KB and KM series limit switches

### Auxiliary contact blocks



K X B

Contacts	Catalog number <sup>Ⓞ</sup>
1NO+1NC Snap action <sup>Ⓛ</sup> Ⓜ	K X BS11
2NC Snap action <sup>Ⓛ</sup> Ⓜ	K X BS02
1NO+1NC Slow break, make before break <sup>Ⓛ</sup> Ⓜ	K X BA11
1NO+1NC Slow break <sup>Ⓛ</sup> Ⓜ	K X BL11
2NC Slow break <sup>Ⓛ</sup> Ⓜ	K X BL02
2NO Slow break	K X BL20
1NO+2NC Slow break <sup>Ⓛ</sup> Ⓜ	K X BL12
2NO+1NC Slow break <sup>Ⓛ</sup> Ⓜ	K X BL21
3NC Slow break <sup>Ⓛ</sup> Ⓜ	K X BL03

### General characteristics

The KXB contact blocks can be used with the KB and MK series of limit switches. Combinations of 2 contacts with slow-break or snap action and 3 slow-break contacts are available.

The NC contacts have direct opening operation, a specific safety principle.

The particular four-point contacts warrant high conductivity in any sort of application. The removal of the contacts from the limit switch body provides remarkable wiring ease and reduces installation time as well.

### Operational characteristics

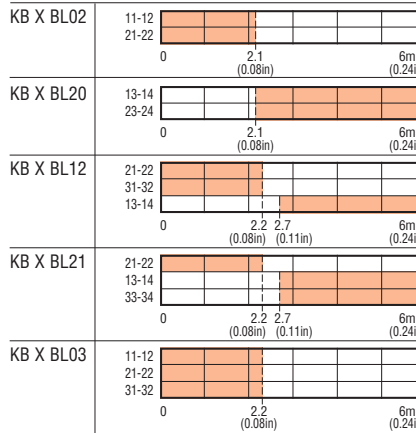
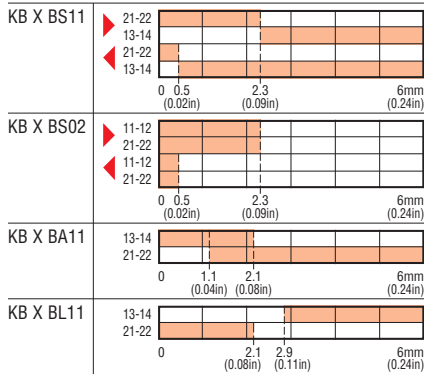
- Mechanical life: >10 million cycles
- Rated thermal current I<sub>th</sub>: 10A
- UL designation: A600 Q300
- Rated thermal current I<sub>th</sub>: 10A
- Rated insulation voltage U<sub>i</sub>: 690V
- Rated impulse withstand voltage U<sub>imp</sub>: 6kV
- Contact capacity: <10mΩ
- Short-circuit backup protection:
  - slow-blow fuse: 10A aM maximum admissible size
  - quick fuse: 16A gG maximum admissible size
- Wire connection: Self-releasing screw terminal
- IP20 degree of protection
- Operating temperature: -13° to +160°F (-25 to +70°C)
- Storage temperature: -40° to +160°F (-40 to +70°C).

### Certifications and compliance

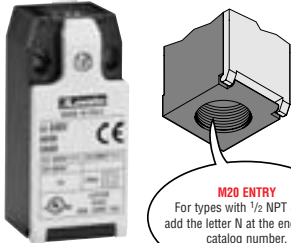
Certifications: cULus pending.  
Compliant with standards: IEC/EN 60947-5-1, EN 50047, IEC/EN 60204-1, IEC/EN 60081-1.

- Ⓛ Not suitable for key operated KBN, hinged operating KBP / KMP and slotted lever KBQ / KMQ types.
- Ⓜ Direct (positive) operating operation ⊖; safety function according to IEC/EN 60947-5-1.
- Ⓞ Contact Sales & Technical Support for details and pricing.

▶ Forward travel of snap action contacts    □ open  
◀ Return travel of snap action contacts    ■ closed



### Body complete with auxiliary contacts



K X CB

**M20 ENTRY**  
For types with 1/2 NPT entry, add the letter N at the end of the catalog number.  
E.g. K X CB S11N

Contacts	Catalog number <sup>Ⓞ</sup>	
	Plastic body	Metal body
1NO+1NC Snap action <sup>Ⓛ</sup>	K X CB S11	K X CM S11
2NC Snap action <sup>Ⓛ</sup>	K X CB S02	K X CM S02
1NO+1NC Slow break, make before break <sup>Ⓛ</sup>	K X CB A11	K X CM A11
1NO+1NC Slow break <sup>Ⓛ</sup>	K X CB L11	K X CM L11
2NC Slow break <sup>Ⓛ</sup>	K X CB L02	K X CM L02
2NO Slow break	K X CB L20	K X CM L20
1NO+2NC Slow break <sup>Ⓛ</sup>	K X CB L12	K X CM L12
2NO+1NC Slow break <sup>Ⓛ</sup>	K X CB L21	K X CM L21
3NC Slow break <sup>Ⓛ</sup>	K X CB L03	K X CM L03

- Ⓛ Direct (positive) operating operation ⊖; safety function according to IEC/EN 60947-5-1.
- Ⓞ Contact Sales & Technical Support for details and pricing.

### General characteristics

The K X CB and K X CM bodies, complete with auxiliary contacts, can be used as spare parts for the KB and KM series limit switches or coupled with the K XA operating heads, obtaining complete limit switches in the required configurations.

The body cover has a captive closing screw and is hinged at the bottom and removable to have the best access. Each body includes the innovative locking bayonet mechanism of the operating head. The plastic and metal types are available.

The auxiliary contact blocks are removable assuring remarkable wiring simplicity. Different combinations up to 3 contacts with direct opening operation are offered. The NC contacts have direct opening operation, a specific safety principle.

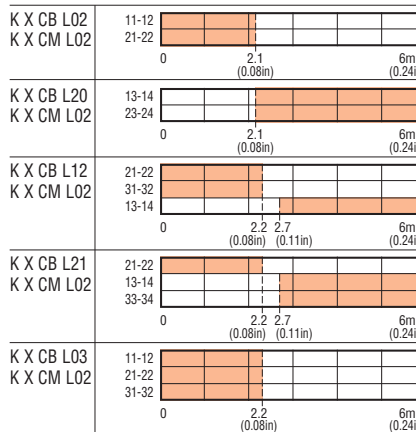
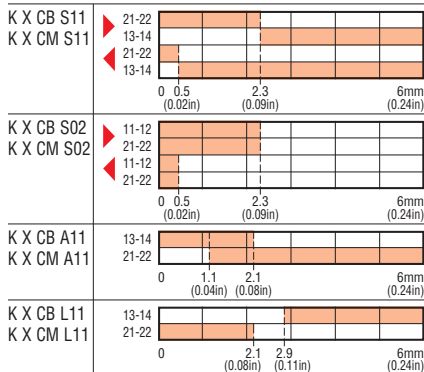
### Operational characteristics

- Mechanical life: >10 million cycles
- Rated thermal current: 10A
- UL designation: A600 Q300
- Rated thermal current I<sub>th</sub>: 10A
- Rated insulation voltage U<sub>i</sub>: 690V
- Rated impulse withstand voltage U<sub>imp</sub>: 6kV
- 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 with mounted operating head
- K X CB ... housing in self-extinguishing double insulation polymer thermoplastic
- K X CM ... housing in 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 temperature: -25 to +70°C
- Storage temperature: -40 to +70°C.

### 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    □ open  
◀ Return travel of snap action contacts    ■ closed



To locate additional product specifications and technical drawings go to [www.asi-ez.com](http://www.asi-ez.com)