



E40108TBM



E10101SCI



ELEM00



Z5



PDNS11BX10



PPKS11BX10



PDKS11BX10



LK20K13

**Safety limit switches**

- Protection degree: IP66
- Body Material: Plastic or Metal body limit switches
- Rated thermal current: 10A lthe (IEC947-5-1)
- Mechanical life: 20 million operations

type	actuator type	description	contact
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**Pull wire safety switches** guarantee the safety of operator who is able to control the immediate stop of machinery at any point in the operating zone.

- 1) Tension wire until both contacts are in the closed position
- 2) When wire is pulled one contact (A) opens and switch is latched (*resettable via front button*)
- 3) If wire breaks, the other contact (B) opens

*Both contacts should be wired in series*

<b>E10108TBI</b>	latching ( <i>resettable by button</i> ) pull wire	plastic limit switch	1NO + 1NC
<b>E40108TBM</b>	latching ( <i>resettable by button</i> ) pull wire	metal limit switch	1NO + 1NC

**Key actuated switches** 5 way key actuated switches are used on gates, sliding doors and other devices to protect access to dangerous parts of machines. The key is applied to the moving protection barrier and has to be removed from the switch on every opening thus operating a positive opening or the NC contact.

<b>E10101S5I</b>	key actuated safety switch	plastic limit switch	1NO + 1NC
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**Hinge operated switches** used to guarantee operator safety, applied to machinery fitted with protection barriers with application directly to the hinge of the enclosure. The switches hinged socket accepts an 8 mm shaft.

<b>E10101SCI</b>	safety switch for hinges	plastic limit switch	1NO + 1NC
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**Spare contact blocks for all limit switches**

<b>ELEM00</b>	standard snap action	contact block	1NO+1NC
<b>ELEM03</b>	slow action	contact block	2NO

**Accessories for above limit switches**

- Z5** angled key for key actuated safety limit switches
- Z51** straight key for key actuated safety limit switches
- Z52** adjustable key for key actuated safety limit switches

*Note: For pull wire switch accessories (see page K-32)*



**Industrial foot switches (IP65)**

**EMAS** foot operated switches are ideal for all industrial applications. They are supplied as open type or with plastic or diecast foot protection, preventing inadvertent operation. Internal cams are provided to accommodate up to 3 x contact blocks, two with simultaneous operation and one with delayed switching, ideal for two speed operations.

- Mechanical life: 1.000.000 operations
- Electrical life: 100.000 operations min.
- Operating temperature: -5° - +60°C
- Rated thermal current: 10A lthe (IEC 947-51)
- Conformity to Standards: EN 60947-5-1, VDE0660, UL508

type	description	protection cover	contact configuration
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**Open type foot switch (IP65)**

<b>PDNS11BX10</b>	open type industrial foot switch	no	1NO + 1NC
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**Protected foot switches (IP65)**

<b>PPKS11BX10</b>	protected type industrial foot switch	thermoplastic	1NO + 1NC
<b>PDKS11BX10</b>	protected type industrial foot switch	diecast	1NO + 1NC

**Contact blocks for above foot switches**

Up to two additional contact blocks can added to foot switches: 1 x simultaneous operation and 1 x with delayed switching for two speed operations.

<b>LK20K13</b>	snap action contact block for foot switches		1NO + 1NC
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