

# Safety Limit Switches

## Safety Series - Limit Switches

IP65 □ thermoplastic type



AUTOMATION TECHNOLOGIES

1 cable entry  
M16x1.5



ST1K1



ST1K61



ST1K71 Zinc Plated Steel Spindle  
ST1K72 Stainless Steel Spindle



ST1K8

TYPE OF OPERATOR	90° ADJUSTABLE TURRET HEAD WITH ACTUATOR	ADJUSTABLE STEEL ROTARY LEVER	STEEL SPINDLE	360° ADJUSTABLE TURRET HEAD WITH ACTUATOR
Standard - Positive opening NC contacts (→)	- (→)	- (→)	- (→)	
Minimum tripping force N	-	-	-	-
Minimum positive opening force N	-	-	-	-
<b>Z11</b> <b>1NC-1NO</b> 	ST1K1 * Z11	ST1K61 Z11	Zinc Plated ST1K71 Z11 Stainless ST1K72 Z11	ST1K8 * Z11
<b>X11</b> <b>1NC-1NO</b> 	ST1K1 * X11	ST1K61 X11	Zinc Plated ST1K71 X11 Stainless ST1K72 X11	ST1K8 * X11
<b>Y11</b> <b>1NC-1NO overlapping</b> 	ST1K1 * Y11	ST1K61 Y11	Zinc Plated ST1K71 Y11 Stainless ST1K72 Y11	ST1K8 * Y11
<b>Z02</b> <b>2NC</b> 	ST1K1 * Z02	ST1K61 Z02	Zinc Plated ST1K71 Z02 Stainless ST1K72 Z02	ST1K8 * Z02
<b>W02</b> <b>2NC</b> 	ST1K1 * W02	ST1K61 W02	Zinc Plated ST1K71 W02 Stainless ST1K72 W02	ST1K8 * W02

**WEIGHT gr - MIN. PACK QTY.**    83 gr    1 pcs    96 gr    1 pcs    80 gr    1 pcs    90 gr    1 pcs

DIMENSIONS	83 gr	96 gr	80 gr	90 gr

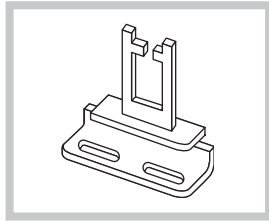
\* Include actuator type reference number i.e.: ST1K13Z11

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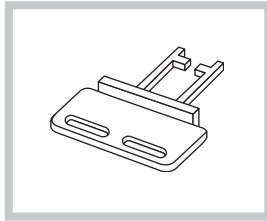
### ACTUATORS



22MM RIGHT-ANGLED ACTUATOR

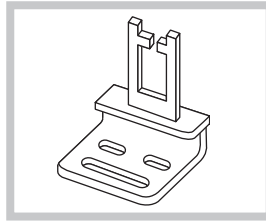
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3



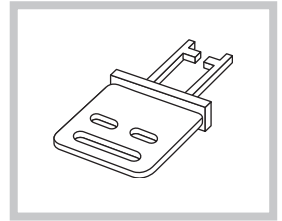
22MM STRAIGHT ACTUATOR

4



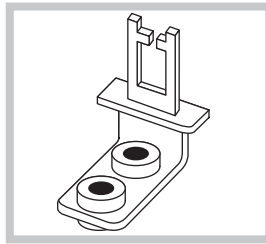
13MM RIGHT-ANGLED ACTUATOR

5



13MM STRAIGHT ACTUATOR

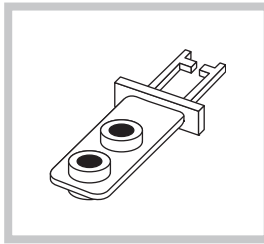
6



SHOCK ABSORBING RIGHT-ANGLED ACTUATOR

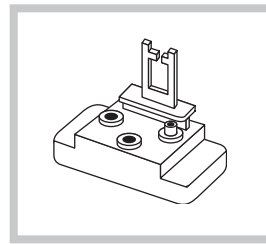
CODE

7



SHOCK ABSORBING STRAIGHT ACTUATOR

8



JOINTED KEY ACTUATOR

9

### GENERAL CHARACTERISTICS

Safety limit switches are suitable for stopping dangerous machinery movements on opening of machine guards or protective covers. Available with different type of actuators and controls and with adjustable turret heads which can be rotated through 360° in 90° steps, they can be installed with a wide variety of opening mechanisms.

Comply with		IEC/EN60947-5-1, UL508		
Rated insulation voltage $U_i$	V	690		
Rated impulse withstand voltage $U_{imp}$	kV	6		
Operating frequency	Hz	50		
Rated thermal current $I_{th}$	A	10		
Rated operating current $I_e$ :				
AC15: alternate current	V	24	230	380
	A	10	3.1	1.9
DC13: direct current	V	24	250	-
	A	2.8	0.27	-
Conditional short circuit withstand		10A gG fuse rating		
Electrical shocks withstand IEC 536		class II		
Protection rating IEC/EN 60529		IP65		
Operating temperature	°C	-25 +70		
Category of use UL 508		A600 - Q600		
Certifications		UL		