

Safety Interlock Switches

T3008



Miniature Tongue-Operated Safety Interlock Switch

- Compact size—allows the T3008 switch to be used on smaller machines with space restrictions
- NEMA 6 enclosure—enables the T3008 to withstand water washdown cleaning
- Two mounting surfaces—gives 4 possible actuator entry points for versatile installation. A blanking plug is supplied for the unused entry.
- Small swing radius—allows use on doors with a swing radius of less than 2 in. when using the flex actuators
- Long life—the T3008 with its stainless steel actuators is designed for one million actuations
- Safety switch conformity—the T3008, with its force-guided contacts and a tamper-resistant mechanism, conforms to the European safety standards indicated here



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Specifications

Electrical		All Models
Contact Configurations:		1 N/C + 1 N/O, 2 N/C, 2 N/C + 1 N/O, 3 N/C
Safety Contacts:		1 N/C, 2 N/C, or 3 N/C positive break
Switching Ability	Resistive Load AC:	250 V – 1.6 A; 125 V – 2.5 A
	Resistive Load DC:	250 V – 0.55 A; 125 V – 1.1 A; 30 V – 2.5 A
	Inductive Load AC:	250 V – 0.75 A; 125 V – 1.5 A
	Resistive Load DC:	250 V – 0.27 A; 125 V – 0.55 A; 30 V – 0.27 A
Auxiliary Contacts:		1 N/O
Max Switching Current/Volt/Amp:		250 V/400 VA
Electrical Life:		1 x 10 ⁶ minimum
Mechanical		
Mounting:		Any position
Mounting Hardware:		2 x M4 screws
Actuator Travel for Positive Opening:		5.5 mm (0.217 in.)
Min Operating Radius:		50 mm (1.97 in.) with flex actuators
Break Contact Min Force:		6 N (1.35 lb.)
Max Actuation Speed:		1000 mm/sec. (39.4 in./sec.) maximum
Max Actuation Frequency:		1200 cycles/hour
Actuator Material:		Stainless steel
Cable:		UL style 2464, 6 x 20 AWG stranded
Weight:		142 g (5 oz.)
Color:		Red
Mechanical Life:		1 x 10 ⁶ minimum
Environmental		
Protection:		IP67 (NEMA 6)
Operating Temperature:		-20 to 80°C (-4 to 176°F)
Compliance		
Standards:		EN1088, EN60947-5-1, EN60204-1
Approvals/Listings:		CE marked for all applicable directives, UL and C-UL, BG

Specifications are subject to change without notice.

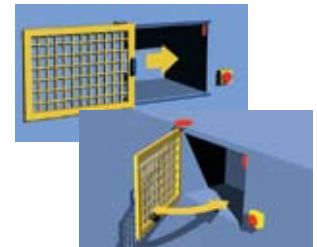
Note: The safety contacts of the Omron STI switches are described as normally closed (N/C)—i.e., with the guard closed, actuator in place, and the machine able to be started.



Conforms to EN1088, EN60947-5-1, EN60204-1
UL and C-UL listed, BG approved

Applications

Typical applications are on sliding guard doors or swinging guard doors with a 6 in. minimum swing radius.



Operation



Mounting — The switch may be mounted label side down or label side up to give four possible actuator entry points.

Four Different Actuators are Available —



90° Actuator



Flat Actuator

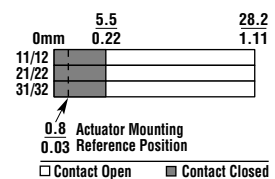
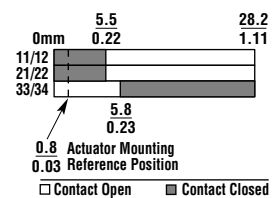
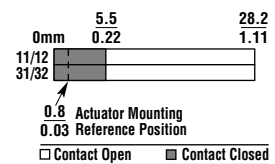
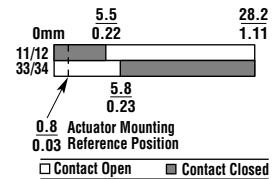
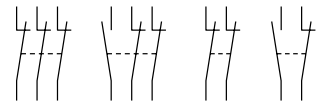


Flex 1 Actuator

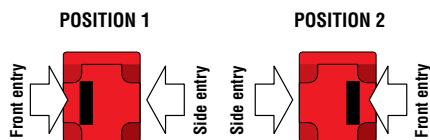


Flex 2 Actuator

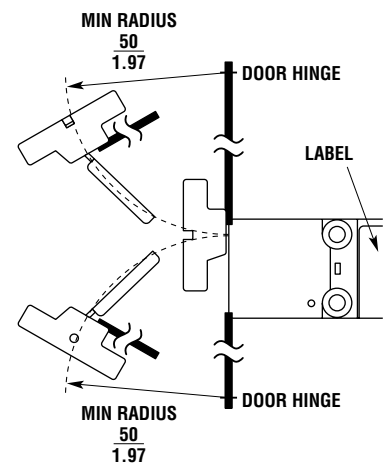
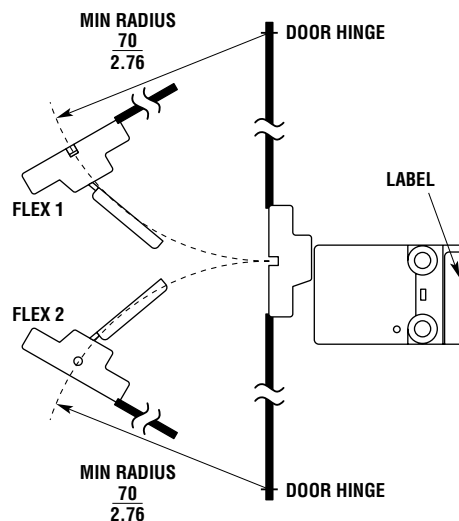
Contact Arrangements



Four Possible Actuator Entry Points



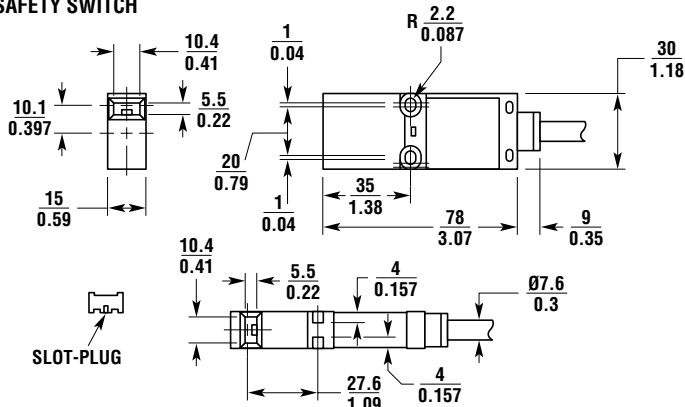
Operating Range — mm/in.



Dimensions

(mm/in.)

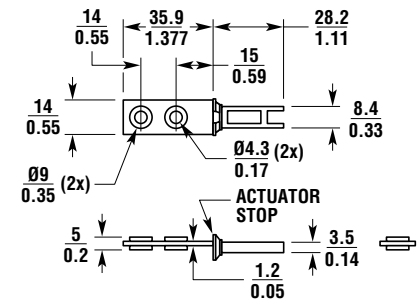
T3008 SAFETY SWITCH



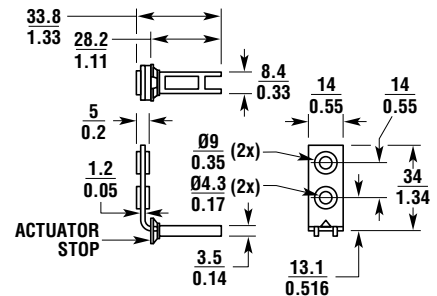
Ordering

Model	Contacts	Wiring Entry	Part No.
90° Actuator			
T3008-11SC1	1 N/C + 1 N/O	1 m cable	44524-0010
T3008-11SC5	1 N/C + 1 N/O	5 m cable	44524-0105
T3008-02SC1	2 N/C	1 m cable	44524-0020
T3008-02SC5	2 N/C	5 m cable	44524-0205
T3008-12SC1	2 N/C + 1 N/O	1 m cable	44524-0030
T3008-12SC5	2 N/C + 1 N/O	5 m cable	44524-0305
T3008-03SC1	3 N/C	1 m cable	44524-0040
T3008-03SC5	3 N/C	5 m cable	44524-0405
Flat Actuator			
T3008-11TC1	1 N/C + 1 N/O	1 m cable	44524-1010
T3008-11TC5	1 N/C + 1 N/O	5 m cable	44524-1105
T3008-02TC1	2 N/C	1 m cable	44524-1020
T3008-02TC5	2 N/C	5 m cable	44524-1205
T3008-12TC1	2 N/C + 1 N/O	1 m cable	44524-1030
T3008-12TC5	2 N/C + 1 N/O	5 m cable	44524-1305
T3008-03TC1	3 N/C	1 m cable	44524-1040
T3008-03TC5	3 N/C	5 m cable	44524-1405
Flex 1 Actuator			
T3008-11F1C1	1 N/C + 1 N/O	1 m cable	44524-2010
T3008-11F1C5	1 N/C + 1 N/O	5 m cable	44524-2105
T3008-02F1C1	2 N/C	1 m cable	44524-2020
T3008-02F1C5	2 N/C	5 m cable	44524-2205
T3008-12F1C1	2 N/C + 1 N/O	1 m cable	44524-2030
T3008-12F1C5	2 N/C + 1 N/O	5 m cable	44524-2305
T3008-03F1C1	3 N/C	1 m cable	44524-2040
T3008-03F1C5	3 N/C	5 m cable	44524-2405
Flex 2 Actuator			
T3008-11F2C1	1 N/C + 1 N/O	1 m cable	44524-3010
T3008-11F2C5	1 N/C + 1 N/O	5 m cable	44524-3105
T3008-02F2C1	2 N/C	1 m cable	44524-3020
T3008-02F2C5	2 N/C	5 m cable	44524-3205
T3008-12F2C1	2 N/C + 1 N/O	1 m cable	44524-3030
T3008-12F2C5	2 N/C + 1 N/O	5 m cable	44524-3305
T3008-03F2C1	3 N/C	1 m cable	44524-3040
T3008-03F2C5	3 N/C	5 m cable	44524-3405
Accessories			
Spare 90° Actuator			44524-0700
Spare Flat Actuator			44524-0710
Spare Flex 1 Actuator			44524-0720
Spare Flex 2 Actuator			44524-0730

FLAT ACTUATOR



90 DEGREE ACTUATOR



FLEX 1 AND FLEX 2 ACTUATORS

