

Actuator Safety Switch

ZXS Series

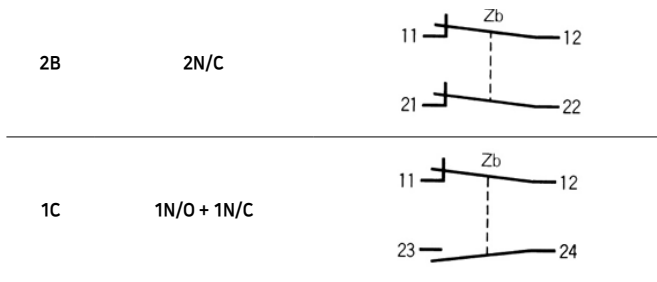
CE



Part Number Description

ZXS - ① ②

① Contact arrangement

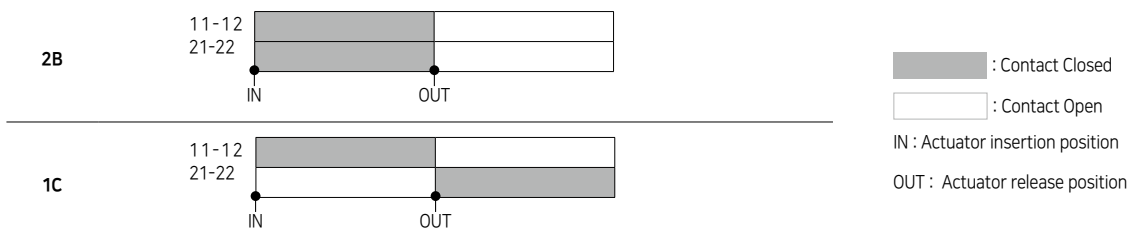


※ Basic components: V Type key)

② Actuator(Optional)

H (Horizontal Type)		Steel
V (Vertical Type)		Steel
A (Adjustable Type)		Steel+Plastic

The Contact Operating Chart



Specification

Contact Form	2N/C, 1N/O + 1N/C	
Contact Material	Ag Alloy / 24K Au Plate	
Rated Current (Resistance Load)	3A 240VAC	
Insulation Resistance	100M Ω 500VDC	
Contact Resistance	Max. 15m Ω	
Life Cycle	Mechanical	Min. 10,000,000
	Electrical	Min. 300,000 Apply Rated Current
Maximum Rated Voltage	600V	
Dielectric Strength	1,500VAC 50/60Hz 1 minute	
Vibration Resistance	10 ~ 55Hz Durable Amplitude 1.5mm	
Degree of Protection	IP65 (Contact Part) / IP00(Operation Key Part)	
Ambient Temperature	-20 ~ 80°C (With no icing)	
Ambient Humidity	90%RH	

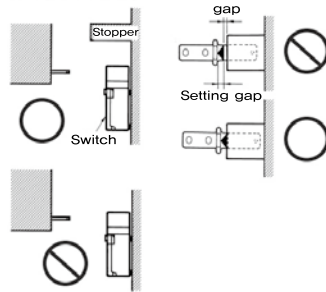
Caution

- Do not use the product in, nor in the environment influenced by, water or oil. Water or oil may penetrate inside
- The switch body is protected against dusts and water, but the head is not. Do not allow the entrance of foreign matters because it may be a cause of early wear and damage.
- After wiring, be sure to mount the cover before use. Otherwise, it may cause an electric shock.

● Stopper installation

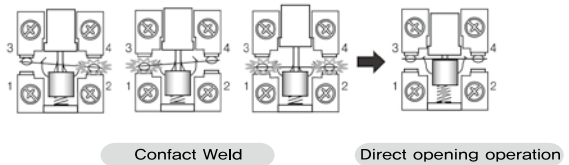
Do not use the body as a stopper.

Be sure to mount a stopper and make it within the operating key setting area for the edge of the operation key to be separated from the head part.



● Forced open circuit operation

When the contact weld appears, the plunger pushes the terminals back to forcefully separate the NC contact.



Dimension

● Proper tightening torque

Loosened screws are the cause of early faults. Tighten the screws with a proper torque.

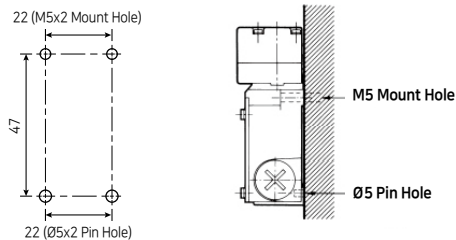
Type	Proper torque
Terminal screw / Earth terminal included	0.59 ~ 0.78N.m
Cover mounting screws*1	1.18 ~ 1.37N.m
Head mounting screw	0.78 ~ 0.98N.m
Body mounting screws*2	4.90 ~ 5.88N.m
Key mounting screws	2.35 ~ 2.75N.m
Connector	1.77 ~ 2.16N.m
Screw Cap	1.27 ~ 1.67N.m

1. Three-lead-in type: 0.78 ~ 0.88 N·m

2. Use the M5 screws.

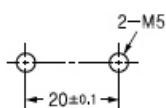
Tighten bolts with a torque of 4.90 ~ 5.88 N·m, and countersunk head screws with a torque of 2.35 ~ 2.75 N·m.

● Mount Cut Dimensions

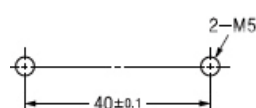


● Operation Key Mount

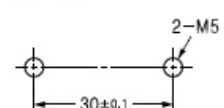
Horizontal Mount Type



Vertical Mount Type



Adjustable Type



Mount the switch body and operation key with screws or equivalent so that they are not easily removed, to ensure safety.