



No.	Item	Specification	No.	Item	Specification
1	Voltage	125VAC	2	Current	300mA
3	Resistance	50 mΩ Max	4	Operating Force	1.0±0.5kgf-cm
5	Operation T	-10°C - +70°C	6	Storage T	-40°C - +85°C
7					
7					
8					

Drawn	Tony	01/02/2025	Unit: mm	
Checked	Eva	01/02/2025	<b>Kysan Electronics</b> www.kysanelectronics.com	
Eng Appr.				
Mfg Appr.				
Q.A.				
SKU:			Siae: A4	Weight(Kg):
1310080			Scale	

### 3. MECHANICAL PERFORMANCE

Item	Test Condition	Specification
3.1 Operating force	Operation temperature:-10°C ~ +70°C Storage temperature:-40°C ~ +85°C	1.0±0.5kgf-cm
3.2 Control strength	A static load of 1000gf-cm shall be applied in the operating direction and tensile direction of the unit for one minute.	NIA
3.3 Terminal strength	A static load of 1000gf-cm shall be applied to the tip of the terminal in a desired direction for one minute. The number of tests shall be one per terminal.	NIA
3.4 Control wobble	Shall be measured by applying a static load of 100gf-cm to the tip of control unit.	Less than 1 mm
3.5 Soldering	Regarding preheating, the entire flow duration should not exceed 2 minutes, and soldering surface temperature ( undersurface of PCB ) shall be settled within 100°C. Temperature of solder 260±5°C	More than 90% of the dipped part shall be covered by solder
3.6 Soldering heat resistance	Flow soldering condition: to be performed in 10 seconds within 260±5°C Manual soldering condition: to be performed in 3 seconds Max within 350±5°C	No abnormalities shall be observed in appearance and operation shall be assured.
3.7 Shaft stopper strength:	NIA	4kg-cm Min
3.8 Bushing mount strength	NIA	8kgf-cm MIN

### 4. ELECTRICAL PERFORMANCE

Item	Test Condition	Requirement
4.1 Rating	NIA	AC125V 0.3A
4.2 Contact resistance	Shall be measured at 1KHz±200Hz (Max 20mV, Max 50mA) or 5V DC, 1A by a voltage drop method	Less than 50mQ
4.3 Insulation resistance	Shall be measured by applying 500V DC, between all terminals and between the terminal and the frame for 1 minute ± 5 seconds	More than 100MQ
4.4 Withstand voltage	500V AC (50~60Hz, 2mA) Shall be applied between all terminals and between the terminal and frame for one minute	No function damage or breakdown.

### 5. DURABILITY

Item	Test Condition	Requirement
5.1 Operating life under no load	10,000 cycles of operation shall be performed continuously at a rate of 15-20 cycles per minute without load.	Contact resistance: less than 200MQ Insulation resistance: more than 50MQ
5.2 Operating life under load	10,000 cycles of operation shall be performed continuously at a rate of 15-20 cycles per minute with resistive load of AC125V 0.3A	Contact resistance: less than 500MQ