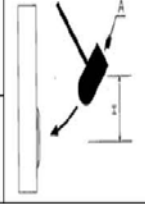
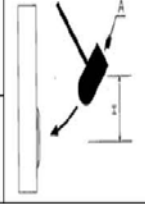
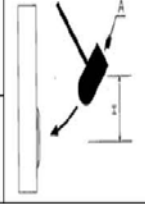


RS Part no.

175-9255, 175-9952	MPB25-A0F10E-JQ
175-9265, 175-9686	MPB25-A0F11E-JQ
175-9324, 175-9762	MPB25-A0F21E-JQ
175-9260, 175-9685	MPB25-A0F20E-JQ

Specifications:

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS														
MECHANICAL PERFORMANCE	5	Operation pressure	MODEL-1305N MECHANICAL TEST 500gram、1000gram、2000gram.	1Pole about $2.5 \pm 1N$. 2Pole about $3.5 \pm 1N$.														
	6	Operation Travel	Full Travel.	$3.2 \pm 0.3mm$.														
	7	Torque	Applied to nut.	About 5~14Nm.														
	8	Panel Thickness	Applied to nut.	About 1~10mm.														
OPERATING LIFE	9	IK Code	<table border="1"> <thead> <tr> <th>IK Degree</th> <th>Weight (A)</th> <th>Original Height (H)</th> <th>Impact Energy</th> <th>Impact Diagram</th> </tr> </thead> <tbody> <tr> <td>08</td> <td>1.25 kg</td> <td>40cm</td> <td>5J</td> <td rowspan="2">  </td> </tr> <tr> <td>10</td> <td>5.0kg</td> <td>40cm</td> <td>20J</td> </tr> </tbody> </table>	IK Degree	Weight (A)	Original Height (H)	Impact Energy	Impact Diagram	08	1.25 kg	40cm	5J		10	5.0kg	40cm	20J	After three mechanical impact with corresponding grade energy at the same position of the crust, the switch has no harmful effect.
	IK Degree	Weight (A)	Original Height (H)	Impact Energy	Impact Diagram													
08	1.25 kg	40cm	5J															
10	5.0kg	40cm	20J															
	10	Operating Life	<p>Measurements shall be made following the test forth below :</p> <p>①Ie:3A /Ue:250VAC .(resistive load)</p> <p>②Rate of Operation: 6-8operation cycles per minute.</p> <p>③Electronics Life Test : 50,000 cycles.(for 3A/250VAC)</p> <p>④Electronics Life Test : 6,000 cycles.(for 3A/28VDC)</p> <p>⑤Mechanical Life Test : Rate of Operation: 30 operation cycles/MIN Resetable : 1,000,000 cycles. Self-locking: 500,000 cycles.</p>	<p>⓪Dielectric Strength : between terminals :1000VAC. between terminals of opposite polarity :2000VAC.</p> <p>⓸Insulation Resistance : 1000MΩ (at 500VDC)min.</p> <p>⓹Contact Resistance : 100mΩ Max.</p>														

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
HUMIDITY RESISTANCE	11	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made: ① Temperature : $-20\pm 3^{\circ}\text{C}$. ② Time : 96 hours.	As shown in item 2-4.
	12	Resistance High Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made: ① Temperature : $55\pm 3^{\circ}\text{C}$. ② Time : 96 hours.	As shown in item 2-4.
	13	Resistance Humidity	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made: ① Temperature: $40\pm 2^{\circ}\text{C}$ ② Relative Humidity: 90~95% ③ Time: 96 hours.	① Contact Resistance: 100 m Ω Max. ② Insulation Resistance: 1000M Ω min.

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
HUMIDITY RESISTANCE	14	Salt spray Testing	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:35±2°C. ②The ratio of salt-water : 5%. ③The spray amount of salt- water : 1-2 ml/h. ④Time:48 hours.	The testing standard based on bubble, crack, And magnifying glass with gauge.
	15	Test of IP 67	Protected against the effects of Temporary immersion in water. (1m below the surface of the water for a duration of 30 min).	IP67 According to EN 60529 : 1991+A1 : 2000 IEC 60529 : 2001
RoHS	16	HSF	Refer RoHS Standard : The electronic electrical machinery product limits with six big chemical materials.	Cd : 100ppm Pb : 1000ppm Hg : 1000ppm Cr6+ : 1000ppm PBB · PBDE : 1000ppm
SOLDER HEAT RESISTANCE	17	Manual Soldering	■ hand Soldering : ①Soldering Temperature : 290°C. (Max) ②Duration of Solder Heated : 3 seconds (Max). ■ Precautions in Handling: ①Please make sure that there is no flux rose over the surface of the PCB.	①Shall be free from pronounced backlash and falling-off or breakage terminals. ②As shown in item 2~4.

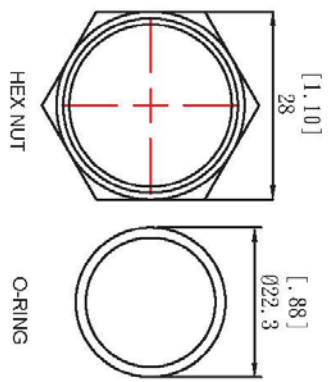
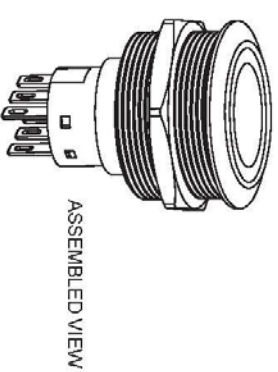
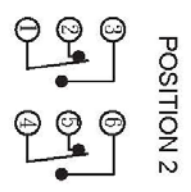
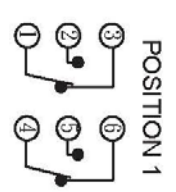
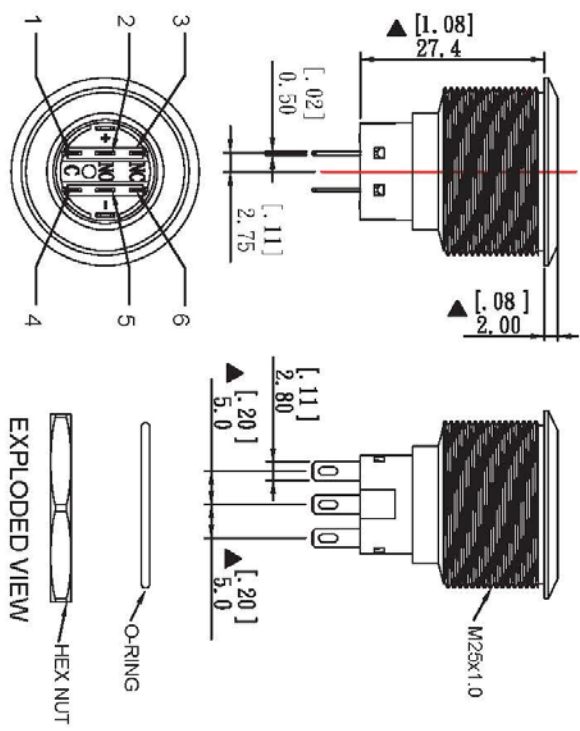
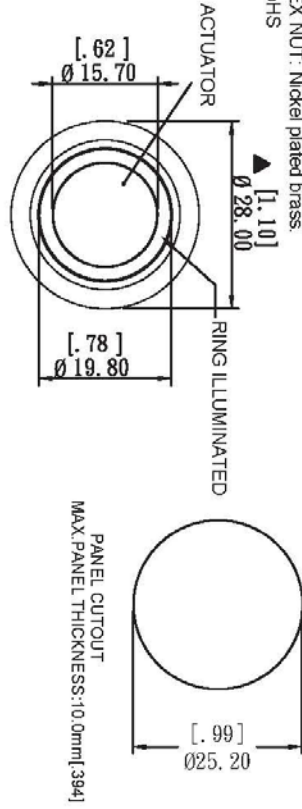
Wiring:

1. Solder the terminals using a 60W soldering iron at 290°C within 3 seconds. (Sn-Ag-Cu type solder is recommended.)
2. When soldering, be sure to keep the soldering iron as far away from the housing as possible.
3. Also ensure that no tensile force is applied to the terminal. Do not bend the terminal or apply excessive force to the terminal.

5. LED Specifications : (LED Without resistor)

Color	VF(v) Min.	VF(v) TYP.	VF(v) MAX.	IF(MAX)
White	2.8	3.3	3.8	20mA
Red	1.8	2.1	2.5	20mA
yellow	1.8	2.1	2.5	20mA
Blue	2.8	3.2	3.8	20mA
Green	2.8	3.2	3.6	20mA

MATERIAL:
 BUSHING: Stainless Steel.
 BASE: PBT(U.L. 94-V0) / PC(U.L. 94-V2)
 ACTUATOR: PC / Stainless Steel.
 INNER ASSEMBLY: POML/PA66
 SPRING: Spring steel.
 SEALING: Silicone
 O-Ring: Silicone
 TERMINAL: Brass / Silver or gold plated.
 HEX NUT: Nickel plated brass.
 ROHS



TOLERANCE (公差):
 0.00 mm ± 0.25mm
 0.0 mm ± 0.40mm
 ANGULAR: ±2°

- SPECIFICATIONS**
- 1. CONTACT MATERIAL:** Q=SILVER
 R=Brass, Coin silver, Gold plated
- 2. RATING:** 1/4 5A/250VAC, resistive load 3A/250VAC.
- 3. ELECTRICAL LIFE:** 50,000 MAKE-AND-BREAK CYCLES AT FULL LOAD
- 4. MECHANICAL LIFE:** Momentary 1,000,000 cycles
 SELF-LOCK 500,000
- 5. INSULATION RESISTANCE:** 1,000MΩ MIN AT 500VDC.
- 6. DIELECTRIC STRENGTH:** 2,000V RMS@sea level.
- 7. CONTACT RESISTANCE:** 50mΩ MAX. @1A, 1.2VDC(initial value).
- 8. OPERATING TEMPERATURE:** -20°C to 55°C.
- 9. TRAVEL:** ABOUT 3.2mm.
- 10. OPERATION PRESSURE:** 1Pole 2.5±1N. / 2Pole 3.5±1N.
- 11. INGRESS PROTECTION:** IP67, IK08(Stainless).
- 12. TORQUE:** 5~14Nm.