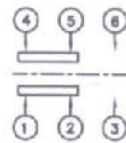
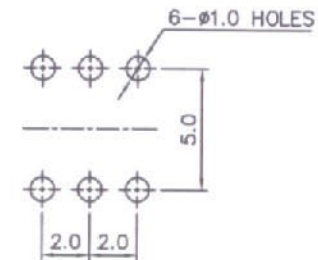


CIRCUIT DIAGRAM

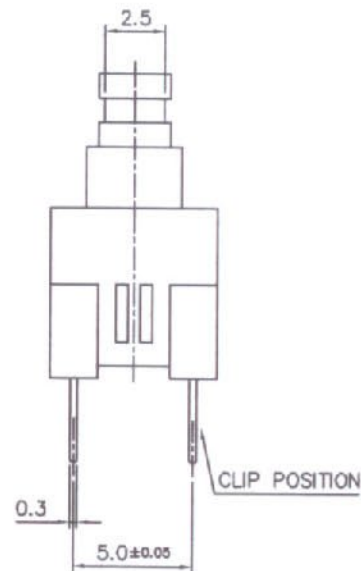
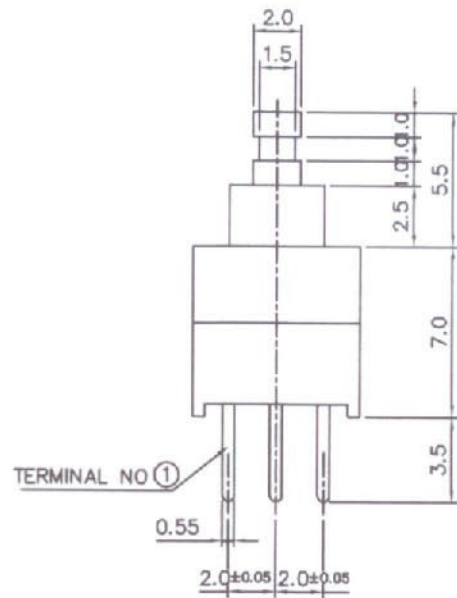


PCB DIMENSION



NOTE

1. RATING : DC 30V 0.1A
2. CIRCUIT : 2C - 2P
3. TIMING : NON SHORTING
4. OPERATING FORCE : 200±80gf
5. STROKE : FULL : 2.5mm
LOCK : 1.5mm
6. OPERATING MODE : SELF LOCK
7. MANUFACTURING SPECIFICATION WOULD BE IN ACCORDANCE WITH HP0101



PART NO	PART NAME	Q'TY	MATERIAL	STANDARD	DISPOSITION	REMARKS
△			TRIGON-OMETRY	UNIT	SCALE	PUSH SWITCH
△			APPD	CHKD	DSGD	
△						
△						
△						
NO	CORRECTION				MODEL	SW-PYP 2271

1. TEST CONDITIONS

The standard test conditions shall be 5 ~ 35°C in temperature and 45 ~ 85% RH.
In case of ascertain any doubtful points in judgment, test shall be done
in the reference of 20 ± 2°C temperature and 65 ± 5% RH.

2. RATING

DC 30V 0.1A

3. ELECTRICAL PERFORMANCE

3.1 Contact Resistance

30mΩ Max at 1 mA, 5V DC.

3.2 Insulation Resistance

100MΩ Min at 500V DC.

Being measured with an insulation measuring device of 500V DC between
the terminal and the frame for 1 minute ± 5 sec.

3.3 Withstand Voltage

500V AC (50 ~ 60Hz) being applied between all the adjacent
terminals and between the terminal and the frame for 1 minute.
No dielectric breakdown shall occur.

4. MECHANICAL PERFORMANCE

4.1 Operating Mode

200±80gf

4.2 Terminal Strength

A static force of 500gf being applied in one direction the tip of terminal
for 1 minute.

The terminal may be deformed, but shall not sustain any trouble as deviation
and breaking of terminal and breaking of insulation material.

4.3 Knob Strength

A static force of 1Kgf shall be applied in the direction of operation
(stopper - side) for 15 seconds.

The deformation shall not be extreme and the lever shall mechanically
work normally.

4.4 Frame Calling Strength

A static force of 1Kgf shall be applied in the direction of vertical gravity
one the tip of the knob for 15 seconds.

Shall not sustain any trouble as deviation and breaking of knob, and
breaking of insulation material.

4.5 Solderability

The test shall be conducted under the following conditions and
confirmed after that : Soldering Temperature : 260 ± 5°C
Immersing Time : 5 ± 0.5 sec.

More than 75% of the immersed part shall be covered with solder.

4.6 Solder Heat Resistance

The test shall be conducted under the following conditions and
confirmed after that : Temperature and immersing time.

Manual Soldering : 350 ± 10°C, 3 ± 0.5 sec.

Automatic Soldering : 260 ± 5°C, 5 ± 0.5 sec.

5. ENDURANCE PROOF

5.1 Mechanical Operation

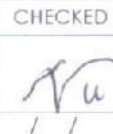
10,000 cycle operations at a rate of 15 ~ 20 cycle 1 minute load.

(1) Contact Resistance : Max 130mΩ at 500V DC, 1mA.

(2) Insulation Resistance : 10MΩ Min

(3) Withstand Voltage : 250V AC, 1 minute, not breaking insulation.

(4) Operating Force : Within +10, -30% of specifications.

DATE		DESIGNED	CHECKED	APPROVED	PAGE
S/W TYPE	PUSH S/W				1 / 2
MODEL NO.	SW-PYP2271				
DOCUMENT NO.					

6. WEATHER PROOF

6.1 Cold proof

Switch for test being kept in the conditions at $-20 \pm 2^\circ\text{C}$ in temperature for 96hours, and in a normal ambient condition for one hour, then t be measured within one hour.

Electrical performance of the above 3, 4 shall be assured.

6.2 Dry Heat Proof

Switch for test being kept in the conditions at $85 \pm 2^\circ\text{C}$ in temperature for 96hours, and in a normal ambient condition for one hour.

Electrical performance of the above 3, 4 shall be assured.

6.3 Damp Heat Proof

Switch for test being kept in the condition at $40 \pm 2^\circ\text{C}$ in temperature and 90 ~ 95% RH for 96 hours, and in a normal ambient condition for 1 hour, then to be measured within one hour.

Electrical performance of the above 3, 4 shall be assured.

DATE		DESIGNED	CHECKED	APPROVED	PAGE
S/W TYPE	PUSH S/W				2 /
MODEL NO.	SW-PYP2271	/ /	/ /	/ /	2
DOCUMENT NO.					2