

# WELL BUYING INDUSTRIAL CO., LTD

## APPROVAL SHEET

DESCRIPTION: PUSH BUTTON POWER SWITCH

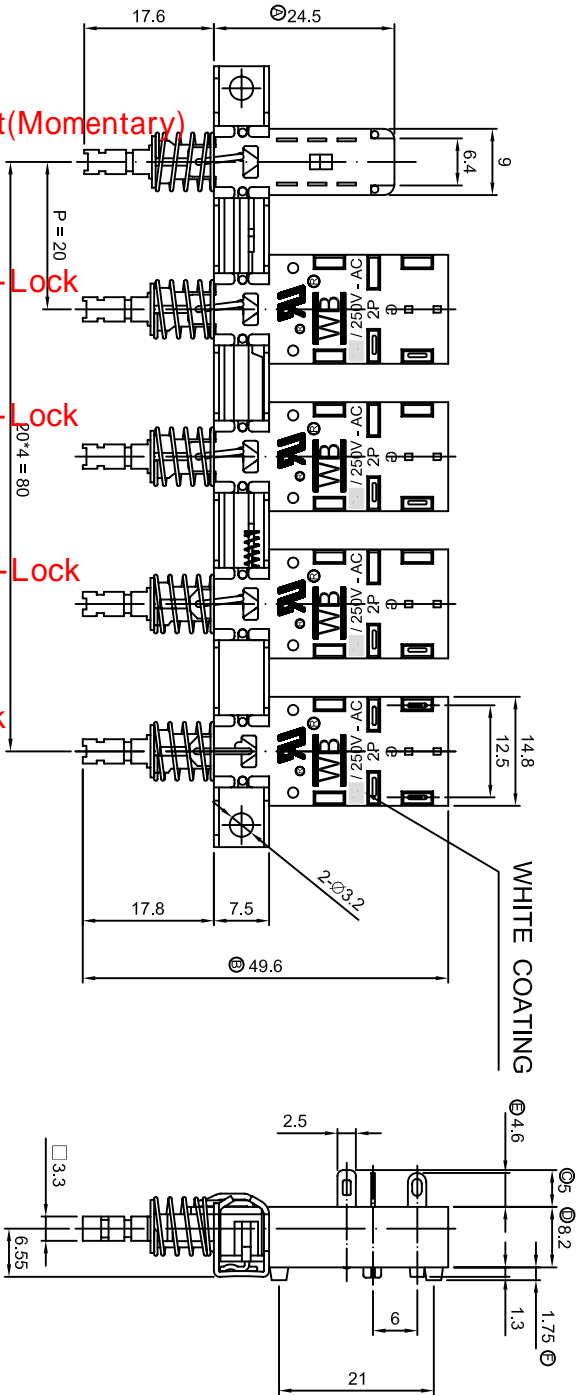
PART NO: PT-0520H-17

CUSTOMER: 玖新 _____	CUSTOMER'S PART NO: _____
CUSTOMER SIGNATURE	COMMENTS

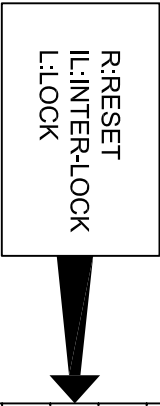
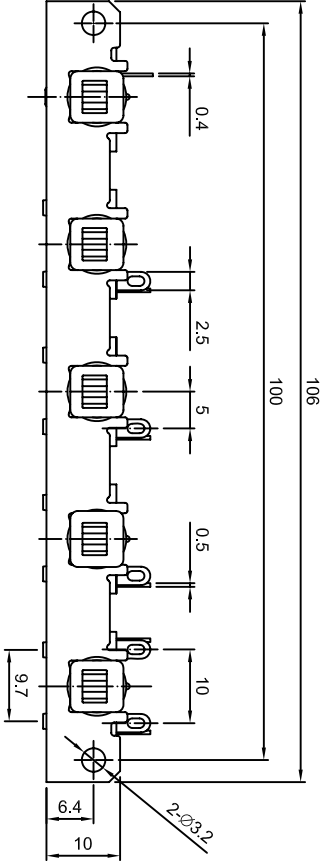


APPROVAL	REVIEW	PREPARE
<i>Kaven</i>	<i>Alan</i>	<i>Gina</i>


DIMENSION	TOLERANCE
BELOW 10 mm	± 0.3
10~100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°



1. RATING : 250 V AC , 8 A .
2. CONTACT RESISTANCE : 100 mΩ MAX .
3. INSULATION RESISTANCE : 500V DC , 500 MΩ MIN .
4. OPERATING FORCE : 600 ± 200gf ;
5. OPERATING TEMPERATURE : -20℃ ~ 70℃ .
6. OPERATING LIFE : 10,000 CYCLES .
- 7.CRITICAL DIMENSIONS: 'A' ~ 'F'.



KEY	選 項 O P T I O N				
	1	2	3	4	5
CIRCUIT / 回路	1	S P S T	S P S T	S P S T	D P S T
TERMINAL TYPE / 端子	E	W	W	W	W
OPERATING / 動作	R	IL	IL	IL	L
TRAVEL / 行程		4.5	4.5	4.5	4.5
KNOB	N	N	N	N	N
PITCH / 間距	20mm				
FRAME TYPE	H TYPE				

△				DATE	2011/12/08	UNIT	mm	MODE	PUSH BUTTON POWER SWITCH
△				APPROVAL	KAVEN	SCALE	1 : 1	PART	PT-0520H-17
△				CONFIRM	TEREANCE	VIEW		2D FILE NAME	PT-0520H-17
				ENGINEERING CHANGE DESCRIPTION	DESIGN	JASON	VER.	01	3D FILE NAME
DATE	APPROVAL	DESIGN							

WB Well Buying  
Industrial Co.,Ltd.

**WELL BUYING INDUSTRIAL CO., LTD.**  
**SPECIFICATIONS OF PT SERIES**  
**POWER PUSH BUTTON SWITCHES**

1. POLE - POSITION : SPST, SPDT, DPST AND DPDT ARE AVAILABLE.

2. RATING : 250V AC 8A

3. OPERATING TEMPERATURE RANGE : -20 ~ 70

4. ELECTRICAL PERFORMANCE.

	ITEM	TEST CONDITIONS	CRITERIA
4-1	CONTACT RESISTANCE	DC 1.5V 100mA BY METHOD OF VOLTAGE DROP.	100 mΩ MAX.
4-2	INSULATION RESISTANCE	DC 500V	500 MΩ MIN.
4-3	DIELECTRIC STRENGTH	1. AC 1,000V 1 MINUTE BETWEEN TERMINALS 2. AC 4,000V 1 MINUTE BETWEEN TERMINAL AND FRAME	BREAKDOWN IS NOT ALLOWABLE.

5. MECHANICAL PERFORMANCE

	ITEM	TEST CONDITIONS	CRITERIA
5-1	OPERATING FORCE	1. MOMENTARY TYPE 2. LOCK TYPE	1. 500±200gf 2. 600±200gf
5-2	TRAVEL	1. LOCK TRAVEL 2. FULL TRAVEL	1. 3.0±0.3 mm 2. 4.5±0.3 mm
5-3	ROBUSTNESS OF TERMINAL	1. Kgf FOR 1 MINUTE	TERMINAL COULD BE BENT BUT LOOSENED TERMINAL OR BASE FRAME BROKEN IS NOT ALLOWABLE.
5-4	ROBUSTNESS OF ACTUATOR	1. ALONG OPERATING DIRECTION TO APPLY A STATIC LOAD 10 Kgf AT END OF ACTUATOR TO PUSH FOR 15 SECONDS.	ACTUATOR BROKEN OR ANY UNUSUAL APPEARANCE OCCURRED ON SWITCH ONSTRUCTION IS NOT ALLOWABLE.

		2. TO APPLY A STATIC LOAD 2Kgf VERTICALLY TO END OF ACUTATOR TO PUSH IT FOR 15 SECONDS. 3. ALONG OPPOSITE OPERATING DIRECTION TO APPLY A STATIC LOAD 5 Kgf TO PULL END OF ACTUATOR FOR 15 SECONDS.	
5-5	SOLDERABILITY	260±5 IN 3 SECONDS	SOLDER COVERAGE 75% Min.

6. RESISTANCE OF SOLDERING HEAT

6-1 MANUAL SOLDERING : 300±5 IN 3 SECONDS

6-2 DIP SOLDERING : 260±5 IN 3 SECONDS

7. DURABILITY : AFTER 10,000 LIFE CYCLES

7-1 CONTACT RESISTANCE : 150 mΩ MAX.

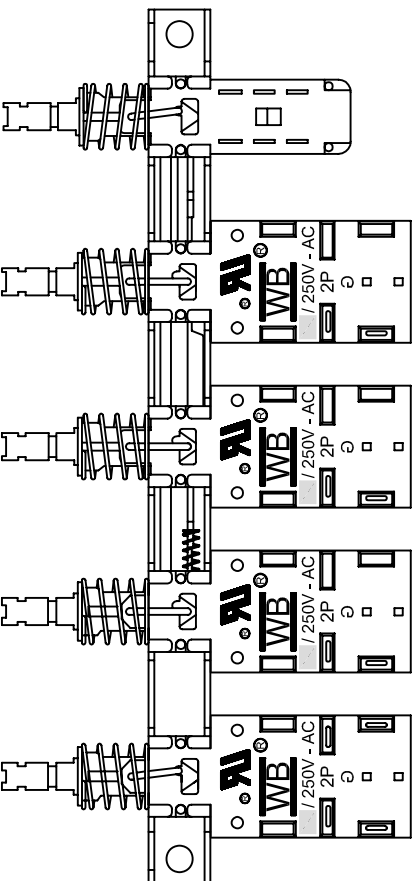
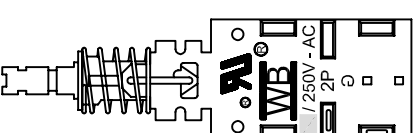
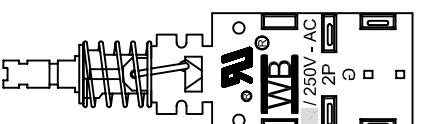
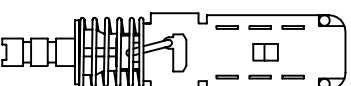
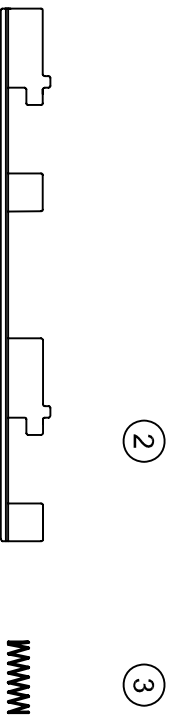
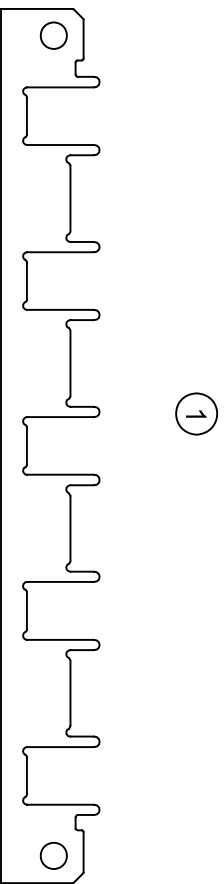
7-2 OPERATING FORCE : WITHIN THE RANGE OF ±30% OF  
OPERATING FORCE SPECIFICATION.

7-3 INSULATION RESISTANCE AND DIELECTRIC STRENGTH SHALL  
MEET THE REQUIREMENTS OF 4-2 AND 4-3.

8. ENVIRONMENTAL PERFORMANCE

	ITEM	TEST CONDITIONS	CRITERIA
8-1	COLD	-20 ±2 FOR 48 HOURS	1. IT SHOULD MEET REQUIREMENTS OF ITEM 4. 2. MECHANICAL PERFORMANCE SHOULD REMAIN TO NORMAL.
8-2	DRY HEAT	70 ±2 FOR 48 HOURS	1. CONTACT RESISTANCE SHOULD BE LESS THAN 150 mΩ. 2. IT SHOULD MEET REQUIREMENTS OF 4-2 AND 4-3.

			3. MECHANICAL PERFORMANCE SHOULD REMAIN TO NORMAL.
8-3	DAMP HEAT	40 ±2 90% ~ 95%RH FOR 48 HOURS	1. CONTACT RESISTANCE SHOULD BE LESS THAN 150 mΩ. 2. INSULATION RESISTANCE SHOULD BE HIGHER THAN 100 MΩ. 3. DIELECTRIC SHOULD MEET REQUIREMENTS OF 4-3. 4. MECHANICAL PERFORMANCE SHOULD REMAIN TO NORMAL.



NO.	PART NAME	QTY	MATERIAL	SPECIAL DEAL	RoHS REPORT No.
1	BRACKET	1	STEEL PLATE	GALVANIZATION	CANEC1110252901 ; KA2011/70021
2	INTERLOCK PLATE	1	STAINLESS STEEL		CANEC1110032201
3	SPRING	1	STAINLESS STEEL		CANEC1110032201
4	1ER	1	CONSULTATION 1ER		
5	PT-S3WL-8A	1	CONSULTATION PT-S3WL-8A		
6	PT-S1WN-8A	3	CONSULTATION PT-S1WN-8A		

						PUSH BUTTON POWER SWITCH
		DATE	2012/09/14	UNIT	mm	MODE
		APPROVAL	KAVEN	SCALE	1 : 1	PART
		CONFIRM	TEREANCE	VIEW		2D FILE NAME PT-0520H-17 MATERIALS LIST
DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	Elaime VER.	01 3D FILE NAME

**WB** Well Buying  
Industrial Co.,Ltd.

# Mouser Electronics

Authorized Distributor

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