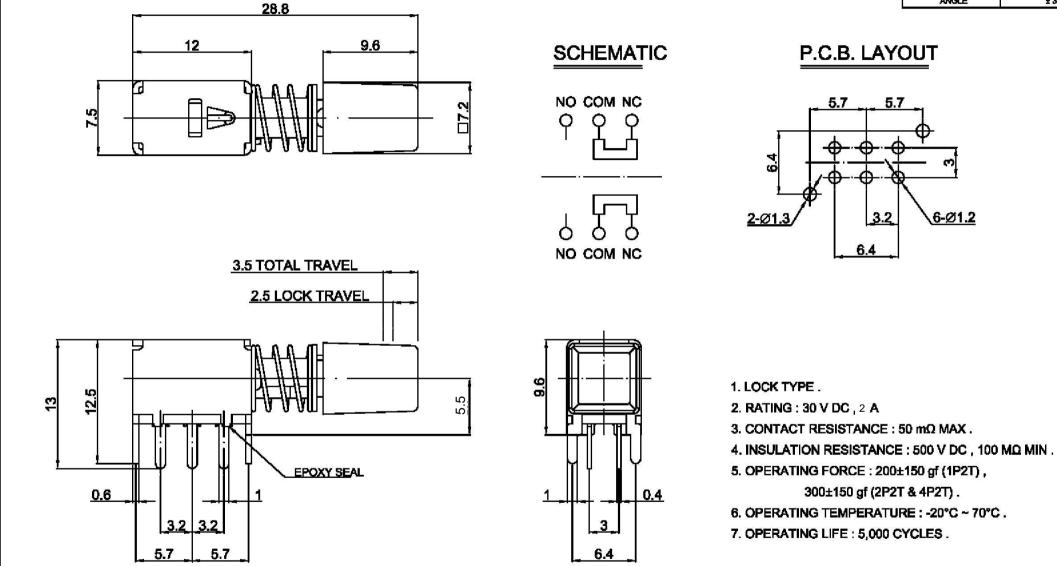
DIMENSIÓN	TÓLERANCE
BELOW 10 mm	± 0.3
10100 mm	± 0.5
ABOVE 100 mm	± 0.8
ANGLE	± 3°

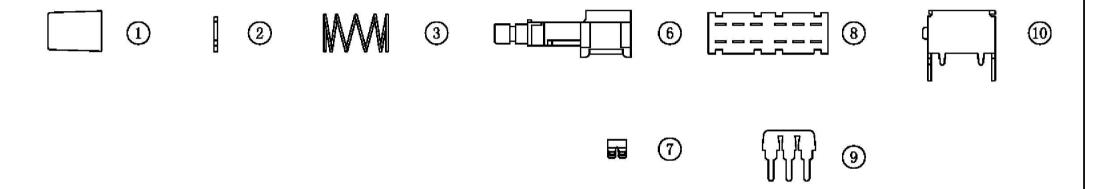


					DATE	2007/11/19	UNIT	mm	MODE	PUSH BUTTON SWITCH	
					APPROVAL	KAVEN	SCALE	1:1	PART	M-B2PL-40	
					CONFIRM	ALAN	VIEW	<b>♦</b> €	2D FILE NAME	M-B2PL-40	HUAI YANG CO., LTD.
$\square$	DATE	APPROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	JUN	VER.	01	3D FILE NAME		

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







					NO.	PART I	NÅME	QTY	MATERIAL		SPECIAL DRAL	RoHS REPORT No.	
						1	<b>KNOB</b>		1	ABS		BLACK	CE/2006/94309
						2	SPRIN	g stopper	1	STREL PLA	(TR	NICKEL PLATING	GZ0705068639/CHEM ; SZTYR070204116/LP
						9	SPRIN	3	1	STAINLESS	S STEEL		F690501/LF-CT5084739
						4 SPRING	G PLATE	1 PHOSPHOR BRONZE			CE/2006/A1258		
								PIN	1	PHOSPHOR	BRONZE		CE/2004/B4129
							ACTUA	TOR	1	POM		YELLOW	CE/2004/B5428A1 CE/2006/91875
							CLIP		2	BERYLLIUM	I HRONZE	SILVER PLATING 10 = =	CB/2007/11859;CE/2006/B3100A
				8	TERMIN	NAL BOARD	0, 5	P+CARBANT	OB	COFFEE	CE/2005/21653		
						9	TERMIN	NAL	2	PHOSPHOR	BRONZE	SILVER PLATING 10 p =	CE/2006/A1258;CE/2006/B3100A
						10	FRAME		1	STEEL PLA	TE	TIN PLATING 514 18 MIN	SZTYR260514243/LP; SZTYR270100879/LP
▲					DATE	2007/	11/19	UNIT		<b>m</b>	HODE	PUSH BUTTON SWITCH	
▲			KAYEN		SCALE		1:1	PART	M-B2PL-40	THAT VANC CO I TD			
Δ					CONFIRM	ALAN		ATTAN Matta	8	● 🕀	2D FILE NAME		HUAI YANG CO., LTD.
	DATE	AFFROVAL	DESIGN	ENGINEERING CHANGE DESCRIPTION	DESIGN	JUN		VER.		01	3D FILE NAME		

## HUAI YANG CO.,LTD. SPECIFICATIONS OF M SERIES <u>PUSH BUTTON SWITCHES</u>

# 1. POLE - POSITION : 1P2T, 2P2T, 4P2T, MOMENTARY AND LOCK TYPE ARE AVAILABLE $\circ$

2. OPERATING TEMPERATURE RANGE : -20°C  $\,\sim$  70°C  $\,\circ$ 

3. RATING : 30V DC 2A ° (INRUSH CURRENT : 45A-65A(Max))

#### 4. ELECTRICAL PERFORMANCE

	ITEM	TEST CONDITIONS	CRITERIA
4-1	CONTACT RESISTANCE	DC 1.5V 100mA, BY METHOD OF VOLTAGE DROP 。	50 m $\Omega$ MAX.
4-2	INSULATION RESISTANCE	DC 500V °	100 MΩ MIN.
4-3	DIELECTRIC STRENGTH	AC 500V FOR 1 MINUTE •	BREAKDOWN IS NOT ALLOWABLE °

#### 5. MECHANICAL PERFORMANCE

		-	
	ITEM	TEST CONDITIONS	CRITERIA
5-1	OPERATING	1P2T	800±200gf
	FORCE	2P2T	
		4P2T	
5-2	TRAVEL	LOCK TRAVEL •	2.5 ± 0.3 mm
5-3	TIMING	NON-SHORTING TYPE •	
5-4	ROBUSTNESS OF	ANY DIRECTION TO APPLY A	TERMINAL COULD BE BENT BUT
	TERMINAL	STATIC LOAD 500gf AT END	LOOSENED TERMINAL OR
		OF TERMINAL FOR 1 MINUTE.	BOARD BROKEN IS NOT
		ONCE FOR A TERMINAL	ALLOWABLE °
		ONLY •	
5-5	ROBUSTNESS OF	ALONG OPERATING	ACTUATOR BROKEN,
	ACTUATOR	DIRECTION TO APPLY A	DEFORMED OR ANY UNSUAL
		STATIC LOAD 5 Kgf AT END	APPEARANCE OCCURRED ON
		OF ACTUATOR FOR 1	SWITCH CONSTRUCTION IS NOT
		MINUTE •	ALLOWABLE •

5-6	SOLDERABILITY	260±5℃ IN 3 SECONDS。	SOLDER COVERAGE 75% Min. •

- 6. RESISTANCE OF SOLDERING HEAT
  6-1 MANUAL SOLDERING : 300±5°C IN 3 SECONDS °
  6-2 DIP SOLDERING : 260±5°C IN 3 SECONDS °
- 7. OPERATING LIFE WITHOUT LOAD AFTER 5,000 CYCLES

7-1 CONTACT RESISTANCE : 100 m  $\Omega$   $\,$  MAX.  $^{\circ}$ 

7-2 OPERATING FORCE : WITHIN THE RANGE  $\pm 30\%$  OF SPECIFICATION.

7-3 INSULATION RESISTANCE : 500V DC 100M  $\Omega$   $\,$  MIN.  $\circ$ 

7-4 DIELECTRIC STRENGTH : 500V AC FOR 1 MINUTE, BREAKDOWN IS NOT ALLOWABLE  $\circ$ 

### 8. ENVIRONMENTAL PERFORMANCE

	ITEM	TEST CONDITIONS	CRITERIA
8-1	COLD	-20±2°C FOR 96 HOURS	<ol> <li>IT SHOULD MEET REQUIREMENTS OF ITEM 4 °</li> <li>MECHANINCAL PERFORMANCE SHOULD REMAIN TO NORMAL °</li> </ol>
8-2	DRY HEAT	70±2°C FOR 96 HOURS	<ol> <li>CONTACT RESISTANCE SHALL BE LESS THAN 100 mΩ °</li> <li>IT HAS TO MEET THE REQUIREMENTS OF 4-2 AND 4-3 °</li> <li>MECHANICAL PERFORMANCE SHOULD REMAIN TO NORMAL °</li> </ol>
8-3	DAMP HEAT	40°C±2°C 90% ~ 95%RH FOR 96 HOURS	<ol> <li>CONTACT RESISTANCE SHALL BE LESS THAN 100 mΩ ∘</li> <li>INSULATION RESISTANCE SHOULD BE HIGHER THAN 10 MΩ ∘</li> <li>DIELECTRIC STRENGTH SHOULD MEET THE REQUIREMENTS OF 4-3 ∘</li> <li>MECHANICAL PERFORMANCE SHOULD REMAIN TO NORMAL ∘</li> </ol>