

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-6-0909	LYJ	JHW	17.06.15					

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-55°C TO +85°C (note1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	30 V AC/DC	APPLICABLE CONNECTOR	BM23PF0.8-10DP-0.35V(**)
	CURRENT	SIGNAL CONTACT 0.3A ⚠ POWER CONTACT 5.0A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION

GENERAL EXAMINATION	CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1mA	SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX	X	-
INSULATION RESISTANCE	100V DC	50MΩ MIN	X	-
VOLTAGE PROOF	100V AC FOR 1min.	NO FLASHOVER OR BREAKDOWN	X	-

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	10 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min SINGLE AMPLITUDE 0.75mm, 10CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2~3 MIN)	① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 50MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2°C, 90 TO 95%, 96h.	① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② INSULATION RESISTANCE: 25MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75±5%RH. (Test standard : JIS C 60068)	① CONTACT RESISTANCE: SIGNAL CONTACT : 90mΩ MAX POWER CONTACT : 30mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-

REFERENCE DRAWING

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to JIS C 5402 and IEC 60512	Y.J.LEE 15.11.09	Y.J.LEE 15.11.09	H.W.JO 15.11.09	T.S.KANG 15.11.09	ENG 17.06.15 DEPT
Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST					

HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO.	BM23PF0.8-10DS-0.35V(51)	
CODE NO.(OLD) CL	DRAWING NO. SLC4-631938	CODE NO.	CL 6644-0033-3-051	1 1