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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
<b>APPLICABLE STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-55℃ TO +85℃(note1)			STORAGE TEMPERATURE RANGE	-10℃ TO +60℃			
	VOLTAGE	30 V AC/DC			APPLICABLE CONNECTOR	BM23PF0.8-42DP-0.35V(**)			
	CURRENT	SIGNAL CONTACT 0.3A(note2) POWER CONTACT 5.0A							
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			X	X
MARKING		CONFIRMED VISUALLY.						X	X
<b>ELECTRICAL CHARACTERISTICS</b>									
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	-
<b>MECHANICAL CHARACTERISTICS</b>									
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 PATRS.			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/s <sup>2</sup> 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	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +85℃ TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN2~3 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℃, 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℃, 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	-
<b>REMARKS</b>									
Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Note 2 : MAX 12A AT TOTAL PIN CONTACTS.				DRAWN S.H.JUNG 17.05.10	DESIGNED S.H.JUNG 17.05.10	CHECKED H.W.JO 17.05.10	APPROVED T.S.KANG 17.05.10	RELEASED 	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512									
Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HIROSE KOREA CO.,LTD.			SPECIFICATION SHEET			PART NO. BM23PF0.8-42DS-0.35V(51)			
CODE NO.(OLD) CL		DRAWING NO. SLC4-632163			CODE NO. CL 6644-0081-6-895			1	1