


May.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55℃ TO +85℃(note1)			STORAGE TEMPERATURE RANGE	-10℃ TO +60℃			
	VOLTAGE	30 V AC/DC			APPLICABLE CONNECTOR	BM23PF0.8-42DS-0.35V(**)			
	CURRENT	SIGNAL CONTACT 0.3A(note2) POWER CONTACT 5.0A							
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
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 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 ² 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℃ 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	-
REMARKS									
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. BM23PF0.8-42DP-0.35V(895)			
CODE NO.(OLD) CL		DRAWING NO. SLC4-632162			CODE NO. CL 6644-0080-3-895			1/1	