


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	
△	1	RE-6-0909	LYJ	JHW	17.06.15	1	RE-6-1554	PSG	JHW	19.10.07
<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 △	BM23PF0.8-20DS-0.35V(**)				
	CURRENT	△ SIGNAL CONTACT 0.3A 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/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	-	
<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.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
				S.H.JUNG	S.H.JUNG	H.W.JO	T.S.KANG			
Unless otherwise specified, refer to JIS C 5402 and IEC 60512				16.01.06	16.01.06	16.01.06	16.01.06			
Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST										
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET			PART NO. BM23PF0.8-20DP-0.35V(51)			
CODE NO.(OLD)		DRAWING NO.			CODE NO.				1	
CL		ELC4-632054-51			CL 6644-0060-6-051				1	