

Aug.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

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	BM23PF0.8-54DS-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 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℃ 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	-
High Temperature (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	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Note 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT. Note 2 : MAX 10A AT TOTAL PIN CONTACTS.	S.H.JUNG	S.H.JUNG	H.W.JO	T.S.KANG	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512	17.05.10	17.05.10	17.05.10	17.05.10	

Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST					
HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET		PART NO. BM23PF0.8-54DP-0.35V(895)		
CODE NO.(OLD) CL	DRAWING NO. SLC4-631939	CODE NO. CL 6644-0034-6-895			1/1