

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	BM23FR0.8-18DP-0.35V(**)
	CURRENT	0.3A		

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	100mΩ MAX	X	-
INSULATION RESISTANCE	100V DC	50MΩ MIN	X	-
VOLTAGE PROOF	100V AC FOR 1min.	NO FLASHOVER OR BREAKDOWN	X	-

MECHANICAL CHARACTERISTICS				
OPERATION	10 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100mΩ MAX ② NO DAMAGE, CRACK OR LOOSENESS OF PATRS.	X	-
OPERATION	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				
SHOCK AND RAMP HEAT (TEMPERATURE READY STATE)	TEMPERATURE -55 → +85℃ TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN2~3 MIN)	① CONTACT RESISTANCE: 100mΩ MAX ② INSULATION RESISTANCE: 50MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SHOCK AND RAMP HEAT (READY STATE)	EXPOSED AT 40±2℃, 90 TO 95%, 96h.	① CONTACT RESISTANCE: 100mΩ 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: 100mΩ MAX	X	-

In case that the application demands high level of reliability, such as automotive, please contact our representative for further information.

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Note 1 ; INCLUDE THE TEMPERATURE RISING BY CURRENT.	S.H.JUNG	S.H.JUNG	H.W.JO	T.S.KANG	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512	17.06.22	17.06.22	17.06.22	17.06.22	

Note QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO.
		BM23FR0.8-18DS-0.35V(895)

CODE NO.(OLD)	DRAWING NO.	CODE NO.	1
CL	SLC4-632355	CL 6644-0091-0-895	1