

Jul.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	BM23FR0.6-10DP-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


MECHANICAL OPERATION	10 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100mΩ 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	-

#### 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: 100mΩ 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: 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	-

## DRAWING FOR REFERENCE

This is subjet to change without notice

REMARKS Note 1 ; INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN S.H.JUNG 17.05.08	DESIGNED S.H.JUNG 17.05.08	CHECKED H.W.JO 17.05.08	APPROVED T.S.KANG 17.05.08	RELEASED 
--	-------------------------------	----------------------------------	-------------------------------	----------------------------------	---

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

HIROSE KOREA CO.,LTD.	SPECIFICATION SHEET	PART NO. BM23FR0.6-10DS-0.35V(895)
CODE NO.(OLD) CL	DRAWING NO. SLC4-631862	CODE NO. CL 6644-0011-0-895