

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE	
OPERATING TEMPERATURE RANGE		-35°C TO 85°C (NOTE 1)	-10°C TO 60°C
RATING	VOLTAGE	50V AC/DC	BM22-4S-V(**)
	CURRENT	SIGNAL CONTACT : 0.3A POWER CONTACT : 4.0A	
SPECIFICATIONS			
ITEM	TEST METHOD	REQUIREMENTS	QT AT
CONSTRUCTION			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X X
MARKING	CONFIRMED VISUALLY.		X X
ELECTRIC CHARACTERISTICS			
CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1m A.	Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX.	X —
INSULATION RESISTANCE	100V DC.	100MΩ MIN.	X —
VOLTAGE PROOF	150V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X —
MECHANICAL CHARACTERISTICS			
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 100CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
ENVIRONMENTAL CHARACTERISTICS			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : WITHIN 2.3 min)	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 100MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)	① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	X —
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED
REMARKS	NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to JIS C 5402 and IEC 60512. Note QT: Qualification Test AT: Assurance Test X: Applicable Test		
APPROVED		MO. ISHIDA	14.10.10
CHECKED		TS. MIYAZAKI	14.10.10
DESIGNED		NY. YAMASHIRO	14.10.10
DRAWN		KR. AJITO	14.10.10
Note QT: Qualification Test AT: Assurance Test X: Applicable Test		DRAWING NO.	ELC4-354825-04
SPECIFICATION SHEET		PART NO.	BM22L-4P-V(53)
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL677-1006-7-53
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