

<b>APPLICABLE STANDARD</b>				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C
	VOLTAGE	50V AC/DC	APPLICABLE CONNECTOR	BM22-4S-V (**)
	CURRENT	SIGNAL CONTACT : 0.3A POWER CONTACT : 4.0A		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### 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, 10CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s <sup>2</sup> 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	—

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COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT  Unless otherwise specified, refer to JIS C 5402 and IEC 60512.	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
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	BM22L-4P-V (53)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL677-1006-7-53