

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C			
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	BM14* (0.8) -**DP-0.4V (**)			
	CURRENT	0.3A					
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
GENERAL EXAMINATION	CONFIRMED VISUALLY.					X	X
MARKING						X	X
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	20mV AC OR LESS 1KHz, 1m A.		100mΩ MAX.			X	-
INSULATION RESISTANCE	100V DC.		50MΩ MIN.			X	-
VOLTAGE PROOF	100V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			X	-
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 100mΩ 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 <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	① CONTACT RESISTANCE: 100mΩ MAX.	X	-
			UNDER 5 CYCLES.	(RELOCATION TIME TO CHAMBER: WITHIN 2-3 min)	② INSULATION RESISTANCE: 50MΩ MIN.		
					③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: 100mΩ MAX.	X	-
					② INSULATION RESISTANCE: 25MΩ MIN.		
					③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
SULPHUR DIOXIDE		EXPOSED IN 25 PPM FOR 96h, 25°C, 75%.			① CONTACT RESISTANCE: 100mΩ MAX.	X	-
		(REFER TO JIS C 60068)			② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.		
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
△							
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		DRAWING NO.		ELC4-322327-04			
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	BM14B (0.8) -**DS-0.4V (51)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684			
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