

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) -**DS-0.4V (**)	
	CURRENT	0.3A					
SPECIFICATIONS							
ITEM	GENERAL EXAMINATION			TEST METHOD		REQUIREMENTS	
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		CONFIRMED VISUALLY.		ACCORDING TO DRAWING.	
MARKING		CONFIRMED VISUALLY.				X	X
ELECTRIC CHARACTERISTICS						X	X
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						X	-
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 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						X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2-3 min)		① CONTACT RESISTANCE: 100mΩ MAX.	② INSULATION RESISTANCE: 50MΩ MIN.		X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 100mΩ MAX.	② INSULATION RESISTANCE: 25MΩ MIN.		X	-
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)		① CONTACT RESISTANCE: 100mΩ MAX.	② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.		X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
REMARKS	NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT		APPROVED	KH. IKEDA	09.11.24		
			CHECKED	WR. FUKUCHI	09.11.24		
			DESIGNED	YH. HASEGAWA	09.11.20		
			DRAWN	YH. HASEGAWA	09.11.20		
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-322328-04				
HRS	SPECIFICATION SHEET	PART NO.	BM14B (0.8) -**DP-0.4V (51)				
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL684				
							1/1