

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

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE		-10°C TO 60°C					
OPERATING TEMPERATURE RANGE		-35°C TO 85°C (NOTE 1)		TEMPERATURE RANGE							
RATING		30V AC/DC		APPLICABLE CONNECTOR		BM20*(0.6)-24DP-0.4V(**)					
CURRENT		0.3A									
SPECIFICATIONS											
ITEM	TEST METHOD			REQUIREMENTS							
CONSTRUCTION											
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.							
MARKING	CONFIRMED VISUALLY.			<table border="1"> <tr> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> </tr> </table>				X	X	X	X
X	X										
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	10 TIMES 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											
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. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		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. 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 CONTACT RESISTANCE: 100mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.		X —					
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		DATE				
△											
REMARKS				APPROVED		KH. IKEDA					
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED		WR. FUKUCHI					
				DESIGNED		RT. SHIMIZU					
				DRAWN		YS. YAMAZAKI					
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.											
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-347097-01							
HRS		SPECIFICATION SHEET		PART NO.		BM20B (0.6) -24DS-0.4V (51)					
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL684-9310-0-51					
						△ 1/1					