

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/DC	APPLICABLE CONNECTOR	BM20*(0.6)-34DP-0.4V (**)			
	CURRENT	0.3A					
<b>SPECIFICATIONS</b>							
ITEM	GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		
MARKING	CONFIRMED VISUALLY.						
<b>ELECTRIC CHARACTERISTICS</b>							
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	-	
<b>MECHANICAL CHARACTERISTICS</b>							
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 <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	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
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 NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT	APPROVED		KH. IKEDA		12.11.19		
	CHECKED		WR. FUKUCHI		12.11.19		
	DESIGNED		RT. SHIMIZU		12.11.19		
	DRAWN		YS. YAMAZAKI		12.11.17		
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-347099-01			
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		BM20B (0.6)-34DS-0.4V (51)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL684-9312-5-51	
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