




APPLICABLE STANDARD								
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)-10DP-0.4V(**)				
	CURRENT	0.3A						
SPECIFICATIONS								
ITEM		TEST METHOD		REQUIREMENTS		QT	AT	
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 .		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,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 CHANBER : 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	MO. ISHIDA		16. 02. 22	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	TS. MIYAZAKI		16. 02. 22	
				DESIGNED	NY. YAMASHIRO		16. 02. 22	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.				DRAWN	KR. AJITO		16. 02. 22	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-347095-53-01		
	SPECIFICATION SHEET			PART NO.		BM20B (0.6)-10DS-0.4V (53)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL684-9308-8-53  1/1		