

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	
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85°C (NOTE 1)		APPLICABLE CONNECTOR	BM22-4P-V (**)	
	VOLTAGE	50V AC/DC				
CURRENT	SIGNAL CONTACT : 0.3A					
	POWER CONTACT : 4.0A					
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS		
CONSTRUCTION				GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.		
MARKING	CONFIRMED VISUALLY.				X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	20mV AC OR LESS 1KHz,1m A.			Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX.	X	-
INSULATION RESISTANCE	100V DC.			100MΩ MIN.	X	-
VOLTAGE PROOF	150V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.	X	-
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION				10TIMES INSERTIONS AND EXTRACTIONS.		
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz,APPROX 5min, SINGLE AMPLITUDE 0.75 mm,100CYCLES, FOR 3 DIRECTIONS.			① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. 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 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : WITHIN 2.3 min)			① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 100MΩ 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 Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 50MΩ 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 Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ 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		MO. ISHIDA	14.10.10		
	CHECKED		TS. MIYAZAKI	14.10.10		
	DESIGNED		NY. YAMASHIRO	14.10.10		
	DRAWN		KR. AJITO	14.10.10		
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-343770-08		
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	BM22-4S-V (53)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL677-1002-6-53		
				1/1		