

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	BM22-6P-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.		① Signal contact resistance: 50 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		
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	-	
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 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.		ELC4-345876-03			
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		BM22-6S-V (53)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL677-1004-1-53	
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