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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO 85 °C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C
	VOLTAGE	50 V AC/DC		
	CURRENT	SIGNAL CONTACT : 0.3 A POWER CONTACT : 4.0 A		
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	20 mV AC OR LESS 1kHz, 1 mA .	SIGNAL CONTACT RESISTANCE: 50 mΩ MAX. POWER CONTACT RESISTANCE: 30 mΩ MAX.	X	-
INSULATION RESISTANCE	100 V DC.	100MΩ MIN.	X	-
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	10 TIMES INSERTIONS AND EXTRACTIONS.	① SIGNAL CONTACT RESISTANCE: 50 mΩ MAX. POWER CONTACT RESISTANCE: 30 mΩ 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,10 CYCLES, 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 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%.	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		APPROVED	WR. FUKUCHI	20201225
NOTE 1 : INCLUDE THE TEMPERATURE RISING BY CURRENT		CHECKED	TS. MIYAZAKI	20201225
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.		DESIGNED	RH. KITAGAWA	20201225
		DRAWN	DS. HIROWATARI	20201225
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-345876-78-01	
HRS	SPECIFICATION SHEET	PART NO.	BM22-6S-V (78)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0677-1004-1-78	△ 1/1