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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	-40°C TO 85°C(NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO 60°C		
	VOLTAGE	30V AC/DC		APPLICABLE CONNECTOR	BM24-24DS/2-0.35V(**)		
	CURRENT	SIGNAL CONTACT: 0.25A POWER CONTACT: 5.0A(NOTE 2)					
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 .		Signal contact resistance: 100 mΩ MAX. Power contact resistance: 15 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: 100 mΩ MAX. Power contact resistance: 15 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,10CYCLES, 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 CHANBER : WITHIN 2-3 min)		① Signal contact resistance: 100 mΩ MAX. Power contact resistance: 15 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: 100 mΩ MAX. Power contact resistance: 15 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: 100 mΩ MAX. Power contact resistance: 15 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.		X	-
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	
△	2	DIS-H-00000370		NY. YAMASHIRO		TS. MIYAZAKI	
REMARKS				APPROVED		DATE	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.				KH. IKEDA		14.06.17	
NOTE2: RATED CURRENT FOR POWER CONTACTS IS 4A/PIN IN CASE MAX 0.3A/PIN IS APPLIED TO SIGNAL CONTACTS.				CHECKED		TS. MIYAZAKI	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.				DESIGNED		NY. YAMASHIRO	
				DRAWN		KR. AJITO	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-353451-51-01	
HRS		SPECIFICATION SHEET		PART NO.		BM24-24DP/2-0.35V (51)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL677-2005-0-51	
						△ 1/1	