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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	BM24-20DS/2-0.35V (51)		
	CURRENT	SIGNAL CONTACT: 0.25A POWER CONTACT: 5.0A (NOTE 2)					
<b>SPECIFICATIONS</b>							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X	X
MARKING		CONFIRMED VISUALLY.				X	X
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE		20mV AC OR LESS 1kHz, 1mA.		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	-
<b>MECHANICAL CHARACTERISTICS</b>							
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 <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	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
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: 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	DATE	
△							
REMARKS				APPROVED	MO. ISHIDA	15.12.14	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	TS. MIYAZAKI	15.12.14	
NOTE2: RATED CURRENT FOR POWER CONTACTS IS 4A/PIN IN CASE MAX 0.3A/PIN IS APPLIED TO SIGNAL CONTACTS.				DESIGNED	NY. YAMASHIRO	15.12.14	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.				DRAWN	KR. AJITO	15.12.11	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-352683-53-01	
<b>HRS</b>	SPECIFICATION SHEET			PART NO.	BM24-20DP/2-0.35V (53)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL677-2003-4-53	△	1/1