

APPLICABLE STANDARD		SPECIFICATIONS				
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)				
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, 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 —	
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 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	
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REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT NOTE2: RATED CURRENT FOR POWER CONTACTS IS 4A/PIN IN CASE MAX 0.3A/PIN IS APPLIED TO SIGNAL CONTACTS. Unless otherwise specified, refer to JIS C 5402 and IEC 60512.				APPROVED	MO. ISHIDA	15. 12. 14
				CHECKED	TS. MIYAZAKI	15. 12. 14
				DESIGNED	NY. YAMASHIRO	15. 12. 14
				DRAWN	KR. AJITO	15. 12. 11
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-352683-53-01	
HS	SPECIFICATION SHEET		PART NO.	BM24-20DP/2-0.35V (53)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL677-2003-4-53	△	1/1