

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	\triangle_2 -55°C TO 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C			
	VOLTAGE	\triangle_2 50V AC/DC	APPLICABLE CONNECTOR	BM28B0. 6-40DP/2-0. 35V			
	CURRENT	SIGNAL CONTACT : 0. 3A MAX (TOTAL CONTACTS 10A MAX) \triangle_2 POWER CONTACT : 5. 0A					
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: 70 m Ω MAX. Power contact resistance: 15 m Ω MAX. \triangle_2		X	—
INSULATION RESISTANCE		100V DC.		50M Ω MIN.		X	—
VOLTAGE PROOF		150V AC FOR 1 min. \triangle_2		NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		10TIMES INSERTIONS AND EXTRACTIONS.		① Signal contact resistance: 70 m Ω MAX. Power contact resistance: 15 m Ω MAX. \triangle_2 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 μ s. 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 μ s. 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: 70 m Ω MAX. Power contact resistance: 15 m Ω MAX. \triangle_2 ② INSULATION RESISTANCE: 50M Ω 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: 70 m Ω MAX. Power contact resistance: 15 m Ω MAX. \triangle_2 ② INSULATION RESISTANCE: 25M Ω 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: 70 m Ω MAX. Power contact resistance: 15 m Ω MAX. \triangle_2		X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
\triangle_2	9	DIS-H-00019757		ST. HIRONAKA	RT. SHIMIZU	20240125	
REMARKS				APPROVED	MO. ISHIDA	20160113	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	MO. ISHIDA	20160113	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.				DESIGNED	RT. SHIMIZU	20160113	
				DRAWN	KR. AJITO	20160113	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-363042-51-01	
HRS		SPECIFICATION SHEET		PART NO.	BM28B0. 6-40DS/2-0. 35V (51)		
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-5019-0-51	\triangle_2	1/1