

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	$\triangle 1$ -55°C TO 85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C			
	VOLTAGE	$\triangle 1$ 50V AC/DC	APPLICABLE CONNECTOR	BM28B0.6-36DP/2-0.35V			
	CURRENT	SIGNAL CONTACT : 0.3A MAX (TOTAL CONTACTS 10A MAX) $\triangle 1$ POWER CONTACT : 5.0A $\triangle 1$					
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. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$		X	—
INSULATION RESISTANCE		100V DC.		100M Ω 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: 70 m Ω MAX. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$ 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 \rightarrow +85°C TIME 30 \rightarrow 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHANBER : WITHIN 2-3 min)		① Signal contact resistance: 70 m Ω MAX. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$ ② INSULATION RESISTANCE: 100M Ω MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 \pm 2 °C, 90 TO 95 %, 96 h.		① Signal contact resistance: 70 m Ω MAX. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$ ② INSULATION RESISTANCE: 50M 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. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$ ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.		X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
$\triangle 1$	9	DIS-H-00019757	ST. HIRONAKA	RT. SHIMIZU	20240125		
REMARKS			APPROVED	WR. FUKUCHI	20180928		
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	TY. 001	20180928		
			DESIGNED	RN. IIDA	20180928		
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.			DRAWN	RN. IIDA	20180928		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-364668-51-00		
HRS	SPECIFICATION SHEET		PART NO.	BM28B0. 6-36DS/2-0. 35V (51)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-5027-0-51 $\triangle 1$ 1/1			