

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	MATING CONNECTOR	BM28B0. 6-18DS/2-0. 35V	
	CURRENT	SIGNAL CONTACT : 0. 3A 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. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$	X -
INSULATION RESISTANCE		100V DC.		50M Ω MIN.	X -
VOLTAGE PROOF		150V AC FOR 1 min. $\triangle 1$		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: 50M 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: 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. $\triangle 1$ Power contact resistance: 15 m Ω MAX. $\triangle 1$	X -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\triangle 1$	8	DIS-H-00019757	ST. HIRONAKA	RT. SHIMIZU	20240125
REMARKS			APPROVED	WR. FUKUCHI	20191224
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	TS. MIYAZAKI	20191224
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.			DESIGNED	KT. KUSAKA	20191224
			DRAWN	KT. KUSAKA	20191224
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-383935-51-01
HRS	SPECIFICATION SHEET		PART NO.	BM28B0. 6-18DP/2-0. 35V (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-5093-0-51	$\triangle 1$ 1/1