

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. 6-16DS/2-0. 35V
	CURRENT	SIGNAL CONTACT : 0. 3A POWER CONTACT : 5. 0A		
SPECIFICATIONS				
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, 1m A .	Signal contact resistance: 70 m $\Omega$ MAX. $\triangle 1$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle 1$	X	-
INSULATION RESISTANCE	100V DC.	50M $\Omega$ MIN.	X	-
VOLTAGE PROOF	150V AC FOR 1 min. $\triangle 1$	NO FLASHOVER OR BREAKDOWN.	X	-
<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① Signal contact resistance: 70 m $\Omega$ MAX. $\triangle 1$ Power contact resistance: 15 m $\Omega$ 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 $\mu$ s. 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 $\mu$ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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 $\Omega$ MAX. $\triangle 1$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle 1$ ② INSULATION RESISTANCE: 50M $\Omega$ 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 $\Omega$ MAX. $\triangle 1$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle 1$ ② INSULATION RESISTANCE: 25M $\Omega$ 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 $\Omega$ MAX. $\triangle 1$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle 1$	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\triangle 1$ 8	DIS-H-00019757	ST. HIRONAKA	RT. SHIMIZU	20240125
REMARKS		APPROVED	MO. ISHIDA	20170523
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT		CHECKED	TS. MIYAZAKI	20170523
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.		DESIGNED	RT. SHIMIZU	20170523
		DRAWN	SN. NUMAZAKI	20170523
Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC-370837-53-00		
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	BM28B0. 6-16DP/2-0. 35V (53)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0673-5066-0-53	$\triangle 1$ 1/1