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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	\triangle -55°C TO 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C
	VOLTAGE	\triangle 50V AC/DC	APPLICABLE CONNECTOR	BM28B0. 6-6DP/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 Power contact resistance: 15 m Ω MAX. \triangle	X	-
INSULATION RESISTANCE	100V DC.	50M Ω MIN.	X	-
VOLTAGE PROOF	150V AC FOR 1 min. \triangle	NO FLASHOVER OR BREAKDOWN.	X	-
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① Signal contact resistance: 70 m Ω MAX. \triangle Power contact resistance: 15 m Ω MAX. \triangle 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 Power contact resistance: 15 m Ω MAX. \triangle 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 Power contact resistance: 15 m Ω MAX. \triangle 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 Power contact resistance: 15 m Ω MAX. \triangle	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
\triangle 8	DIS-H-00019757	ST. HIRONAKA	RT. SHIMIZU	20240125
REMARKS		APPROVED	WR. FUKUCHI	20171122
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT		CHECKED	TS. MIYAZAKI	20171122
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.		DESIGNED	RT. SHIMIZU	20171121
		DRAWN	RN. IIDA	20171121
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-365883-53-01	
HRS	SPECIFICATION SHEET	PART NO.	BM28B0. 6-6DS/2-0. 35V (53)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0673-5048-0-53	\triangle 1/1