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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	$\triangle 1$ -55°C TO 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C	
	VOLTAGE	$\triangle 1$ 50V AC/DC	APPLICABLE CONNECTOR	BM28B0. 6-60DP/2-0. 35V	
	CURRENT	SIGNAL CONTACT : 0. 3A MAX (TOTAL CONTACTS 10A MAX) $\triangle 1$ 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 $\Omega$ 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	-
MECHANICAL CHARACTERISTICS					
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	-
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 $\rightarrow$ +85°C TIME 30 $\rightarrow$ 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : 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
$\triangle 1$	9	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-365146-53-01	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	BM28B0. 6-60DS/2-0. 35V (53)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-5038-0-53	$\triangle 1$ 1/1