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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	⚠1 -55°C TO 85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C
	VOLTAGE	⚠1 50V AC/DC	APPLICABLE CONNECTOR	BM28B0.6-46DS/2-0.35V
	CURRENT	SIGNAL CONTACT : 0.3A MAX (TOTAL CONTACTS 10A MAX) ⚠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 mΩMAX. Power contact resistance: 15 mΩMAX. ⚠1	X	–
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	–
VOLTAGE PROOF	150V AC FOR 1 min. ⚠1	NO FLASHOVER OR BREAKDOWN.	X	–
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① Signal contact resistance: 70 mΩMAX. ⚠1 Power contact resistance: 15 mΩMAX. 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 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85℃ TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHANBER : WITHIN 2-3 min)	① Signal contact resistance: 70 mΩMAX. ⚠1 Power contact resistance: 15 mΩMAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① Signal contact resistance: 70 mΩMAX. ⚠1 Power contact resistance: 15 mΩMAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
SULFUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h,25℃,75%. (REFER TO JIS C 60068)	① Signal contact resistance: 70 mΩMAX. ⚠1 Power contact resistance: 15 mΩMAX.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠1	9	DIS-H-00019757	ST.HIRONAKA	RT.SHIMIZU	20240125

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT

Unless otherwise specified, refer to JIS C 5402 and IEC 60512.

APPROVED	WR.FUKUCHI	20220304
CHECKED	RT.SHIMIZU	20220304
DESIGNED	PAN YIWEI	20220304
DRAWN	PAN YIWEI	20220304

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-399145-53-01

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. BM28B0.6-46DP/2-0.35V(53)

CODE NO. CL0673-5097-0-53 ⚠1

FORM HD0011-2-1