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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	-40°C TO 85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C
	VOLTAGE	30V AC/DC	MATING CONNECTOR	BM28B0. 6-18DS/2-0. 35V
	CURRENT	SIGNAL CONTACT : 0.3A POWER CONTACT : 5.0A		
<b>SPECIFICATIONS</b>				
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: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	—
VOLTAGE PROOF	100V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① Signal contact resistance: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. 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/s <sup>2</sup> 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	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : WITHIN 2-3 min)	① Signal contact resistance: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. 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: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX. ② INSULATION RESISTANCE: 25MΩ 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: 100 mΩ MAX. Power contact resistance: 30 mΩ MAX.	X	—
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
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	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	BM28B0. 6-18DP/2-0. 35V (51)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL673-5093-0-51	△ 1/1