

Sep. 1. 2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved. 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. 6-46DP/2-0. 35V		
	CURRENT	SIGNAL CONTACT : 0. 3A MAX (TOTAL CONTACTS 10A MAX) $\triangle$ 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. $\triangle$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle$		X	-
INSULATION RESISTANCE	100V DC.		50M $\Omega$ 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 $\Omega$ MAX. $\triangle$ Power contact resistance: 15 m $\Omega$ 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 $\mu$ 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. $\triangle$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle$ 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. $\triangle$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle$ ② INSULATION RESISTANCE: 25M $\Omega$ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	-
SULFUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)		① Signal contact resistance: 70 m $\Omega$ MAX. $\triangle$ Power contact resistance: 15 m $\Omega$ MAX. $\triangle$		X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
$\triangle$	9	DIS-H-00019757	ST. HIRONAKA	RT. SHIMIZU	20240125	
REMARKS			APPROVED	WR. FUKUCHI	20220302	
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT			CHECKED	RT. SHIMIZU	20220301	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.			DESIGNED	PAN YIWEI	20220301	
			DRAWN	PAN YIWEI	20220301	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-399146-51-01	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	BM28B0. 6-46DS/2-0. 35V (51)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0673-5098-0-51	$\triangle$	1/1