

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

APPLICABLE STANDARD					
OPERATING TEMPERATURE RANGE		-35°C TO 85°C (NOTE 1)		STORAGE TEMPERATURE RANGE	
RATING				-10°C TO 60°C	
VOLTAGE		30V AC		APPLICABLE CONNECTOR	
CURRENT		0.3A		BM14* (0.8) -**DS-0.4V (**)	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS		Q/T AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		CONFIRMED VISUALLY.		<div> <div> X </div> <div> X </div> </div>
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1m A.		100mΩ MAX.		<div> <div> X </div> <div> — </div> </div>
INSULATION RESISTANCE	100V DC.		50MΩ MIN.		<div> <div> X </div> <div> — </div> </div>
VOLTAGE PROOF	100V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		<div> <div> X </div> <div> — </div> </div>
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.		<div> <div> 1 CONTACT RESISTANCE: 100mΩ MAX.</div> <div> 2 NO DAMAGE, CRACK OR LOOSENESS OF PARTS. </div> </div>		<div> <div> X </div> <div> — </div> </div>
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 100CYCLES, FOR 3 DIRECTIONS.		<div> <div> 1 NO ELECTRICAL DISCONTINUITY OF 1 μs.</div> <div> 2 NO DAMAGE, CRACK OR LOOSENESS OF PARTS. </div> </div>		<div> <div> X </div> <div> — </div> </div>
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		<div> <div> 1 NO ELECTRICAL DISCONTINUITY OF 1 μs.</div> <div> 2 NO DAMAGE, CRACK OR LOOSENESS OF PARTS. </div> </div>		<div> <div> X </div> <div> — </div> </div>
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2-3 min)		<div> <div> 1 CONTACT RESISTANCE: 100mΩ MAX.</div> <div> 2 INSULATION RESISTANCE: 50MΩ MIN.</div> <div> 3 NO DAMAGE, CRACK OR LOOSENESS OF PARTS. </div> </div>		<div> <div> X </div> <div> — </div> </div>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		<div> <div> 1 CONTACT RESISTANCE: 100mΩ MAX.</div> <div> 2 INSULATION RESISTANCE: 25MΩ MIN.</div> <div> 3 NO DAMAGE, CRACK OR LOOSENESS OF PARTS. </div> </div>		<div> <div> X </div> <div> — </div> </div>
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)		<div> <div> 1 CONTACT RESISTANCE: 100mΩ MAX.</div> <div> 2 NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. </div> </div>		<div> <div> X </div> <div> — </div> </div>
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
Δ					
REMARKS					
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT					
<div> <div>APPROVED</div> <div>CHECKED</div> <div>DESIGNED</div> <div>DRAWN</div> </div> <div> <div>KH. IKEDA</div> <div>WR. FUKUCHI</div> <div>YH. HASEGAWA</div> <div>YH. HASEGAWA</div> </div> <div> <div>09.11.24</div> <div>09.11.24</div> <div>09.11.20</div> <div>09.11.20</div> </div>					
Unless otherwise specified, refer to JIS C 5402 and IEC 60512.					
Note Q.T:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-322328-04		
HRS		SPECIFICATION SHEET		PART NO.	BM14B (0.8) -*DP-0.4V (51)
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684		Δ 1/1