

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

<b>APPLICABLE STANDARD</b>				<b>STORAGE TEMPERATURE RANGE</b>		-10°C TO +60°C																															
<b>RATING</b>	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)		APPLICABLE CONNECTOR		BM10*(0.8) -*DP-0.4V (**)																															
	VOLTAGE	30V AC																																			
	CURRENT	0.3A																																			
<b>SPECIFICATIONS</b>																																					
ITEM	TEST METHOD			REQUIREMENTS		QT	AT																														
<b>CONSTRUCTION</b>																																					
GENERAL EXAMINATION		CONFIRMED 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.		100mΩ 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>																																					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		<table border="1"> <thead> <tr> <th>PN COUNTS</th> <th>INSERTION FORCE (N MAX.)</th> <th>WITHDRAWAL FORCE (N MIN.)</th> </tr> </thead> <tbody> <tr> <td>BM10*(0.8) -*DS-0.4V</td> <td>15.4</td> <td>2.6</td> </tr> <tr> <td>10</td> <td>20.7</td> <td>3.6</td> </tr> <tr> <td>16</td> <td>24.3</td> <td>4.4</td> </tr> <tr> <td>20</td> <td>27.8</td> <td>5.1</td> </tr> <tr> <td>24</td> <td>33.1</td> <td>6.2</td> </tr> <tr> <td>30</td> <td>38.6</td> <td>6.9</td> </tr> <tr> <td>34</td> <td>41.9</td> <td>8.0</td> </tr> <tr> <td>40</td> <td>50.7</td> <td>9.8</td> </tr> <tr> <td>60</td> <td>59.5</td> <td>11.7</td> </tr> </tbody> </table>		PN COUNTS	INSERTION FORCE (N MAX.)	WITHDRAWAL FORCE (N MIN.)	BM10*(0.8) -*DS-0.4V	15.4	2.6	10	20.7	3.6	16	24.3	4.4	20	27.8	5.1	24	33.1	6.2	30	38.6	6.9	34	41.9	8.0	40	50.7	9.8	60	59.5	11.7	X	—
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MECHANICAL OPERATION		10TIMES INSERTIONS AND WITHDRAWAL.		① CONTACT RESISTANCE: 100mΩ 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, 100CYCLES, 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 CONTACT RESISTANCE: 100mΩ 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 CONTACT RESISTANCE: 100mΩ 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 CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—																														
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE																																
<b>REMARKS</b> NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to JIS C 5402 and IEC 60512																																					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-318423-75																																	
<b>HS</b> SPECIFICATION SHEET HIROSE ELECTRIC CO., LTD.		PART NO.		BM10NB (0.8) -*DS-0.4V (75)																																	
		CODE NO.		CL684-****-*75																																	
						1/1																															