

APPLICABLE STANDARD		SPECIFICATIONS																																		
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)		STORAGE TEMPERATURE RANGE	-10°C TO +60°C																															
	VOLTAGE	30V AC		APPLICABLE CONNECTOR	BM10*(0.8)-*DP-0.4V (**)																															
	CURRENT	0.3A																																		
CONSTRUCTION																																				
GENERAL EXAMINATION		CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.																																
MARKING		CONFIRMED VISUALLY.																																		
ELECTRIC CHARACTERISTICS																																				
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 —																															
MECHANICAL CHARACTERISTICS																																				
△ INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.			<table border="1"> <thead> <tr> <th>PIN COUNTS BM10*(0.8)-*DS/*DP-0.4V</th><th>INSERTION FORCE (N MAX)</th><th>WITHDRAWAL FORCE (N MIN)</th></tr> </thead> <tbody> <tr><td>10</td><td>15.4</td><td>2.6</td></tr> <tr><td>16</td><td>20.7</td><td>3.6</td></tr> <tr><td>20</td><td>24.3</td><td>4.4</td></tr> <tr><td>24</td><td>27.8</td><td>5.1</td></tr> <tr><td>30</td><td>33.1</td><td>6.2</td></tr> <tr><td>34</td><td>36.6</td><td>6.9</td></tr> <tr><td>40</td><td>41.9</td><td>8.0</td></tr> <tr><td>50</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>		PIN COUNTS BM10*(0.8)-*DS/*DP-0.4V	INSERTION FORCE (N MAX)	WITHDRAWAL FORCE (N MIN)	10	15.4	2.6	16	20.7	3.6	20	24.3	4.4	24	27.8	5.1	30	33.1	6.2	34	36.6	6.9	40	41.9	8.0	50	50.7	9.8	60	59.5	11.7	X —
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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, 10CYCLES, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —																															
SHOCK	490 m/s ² 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 °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.																																	
	DAMP HEAT (STEADY STATE)		① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.																																	
△ 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.																																	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE																															
△ 1	DIS-H-003833		NY. YAMASHIRO	TS. MIYAZAKI	09. 04. 15																															
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to JIS C 5402 and IEC 60512				APPROVED	KH. IKEDA																															
				CHECKED	KY. MIDORIKAWA																															
				DESIGNED	TH. ARAI																															
				DRAWN	SH. HOSODA																															
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-318423-01																															
△ HRS	SPECIFICATION SHEET		PART NO.	BM10NB (0.8)-*DS-0.4V (51)																																
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684-****-*51																																
FORM HD0011-2-1																																				