

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35 ℃ TO +85 ℃ (NOTE1)	STORAGE TEMPERATURE RANGE	-10 ℃ TO +60 ℃
	VOLTAGE	250 V AC	APPLICABLE CONTACT	
	CURRENT	3 A	APPLICABLE CONNECTOR	
			APPLICABLE CABLE	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	Q	T	A	T																		
CONSTRUCTION																								
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.			○	○																		
MARKING	CONFIRMED VISUALLY.				○	○																		
ELECTRICAL CHARACTERISTICS																								
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.			○	—																		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. mA (DC OR 1000 Hz).	mΩ MAX.			—	—																		
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.			○	—																		
VOLTAGE PROOF	650 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN.			○	—																		
MECHANICAL CHARACTERISTICS																								
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			—	—																		
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.			—	—																		
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—																		
VIBRATION	FREQUENCY 10 TO 55 Hz. SINGLE AMPLITUDE 0.75 mm. — m/s ² AT 2 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF PARTS. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—																		
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF PARTS. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—																		
ENVIRONMENTAL CHARACTERISTICS																								
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 ℃, 90~95%, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—																		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → -5~35 → +85 → +5~35 ℃ TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—																		
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, ℃ FOR IMMERSION, DURATION, s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			—	—																		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, ℃ FOR IMMERSION DURATION, s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.			—	—																		
<table border="1" style="width: 100%;"> <tr> <td>REMARKS</td> <td>DRAWN</td> <td>DESIGNED</td> <td>CHECKED</td> <td>APPROVED</td> <td>RELEASED</td> </tr> <tr> <td>NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.</td> <td>R. Sasaki</td> <td>M. Tanaka</td> <td>J. Oma</td> <td>H. Yamamoto</td> <td></td> </tr> <tr> <td>Unless otherwise specified, refer to MIL-STD-1344.</td> <td>'95.10.12</td> <td>'95.10.13</td> <td>'95.10.17</td> <td>'95.10.23</td> <td></td> </tr> </table>							REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.	R. Sasaki	M. Tanaka	J. Oma	H. Yamamoto		Unless otherwise specified, refer to MIL-STD-1344.	'95.10.12	'95.10.13	'95.10.17	'95.10.23	
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Note Q: Qualification Test A: Assurance Test O: Applicable Test																								
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF1BA-※EP-2.5RC																				
CODE NO. (OLD)	DRAWING NO.	CODE NO.		CODE NO. SHALL BE IN ACCORDANCE WITH TABLE.																				
CL	ELC4-160595	CL		1/1																				

