

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 °C TO +85 °C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	250 V AC	APPLICABLE CONTACT	
	CURRENT	3 A	APPLICABLE CONNECTOR	
			APPLICABLE CABLE	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	Q	T	A	T
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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	≥ 20 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 °C, 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 °C 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, IMMERSION, DURATION, °C FOR s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, FOR IMMERSION DURATION, °C s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	—	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE 1 INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to MIL-STD-1344.	R. Sasaki	M. Tanaka	J. Oma	H. Yamamoto	
	'95.10.12	'95.10.13	'95.10.17	'95.10.23	

Note Q T: Qualification Test AT: Assurance Test ○: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF1BA-※EP-2.5RC
CODE NO. (OLD) CL	DRAWING NO. ELC4-160595	CODE NO. CL CODE NO. SHALL BE IN ACCORDANCE WITH TABLE.

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