

APPLICABLE STANDARD					
Rating	Operating Temperature Range	—	Storage Temperature Range	—	
	Voltage	100 V AC, 140 V DC	Operating Humidity Range	—	
	Current	3 A	Applicable Wire	—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
General Examination		Visually and by measuring instrument.	According to drawing.	X	X
Marking		Confirmed visually.		X	X
ELECTRICAL CHARACTEREISTICS					
Contact Resistance	Measured at 100 mA max (DC or 1000 Hz).	25 mΩ max.	X	X	
Contact Resistance (Under low voltage, low current condition)	Measured at 20 mV DC, 1 mA (DC or 1000 Hz)		X	—	
Insulation Resistance	250 V DC	1 MΩ min.	X	X	
Voltage Proof	1250 V AC. for 1 min.	No flashover or breakdown.	X	X	
MECHANICAL CHARACTERISTICS					
Contact Insertion and Extraction Forces	Measured with steel pin, φ 1.041 max, φ 0.991 min	3.33 N max 0.28 N min	X	—	
Mating and Unmating Forces	Measured with an applicable connector.	Mating force : 83.3 N max. Unmating force : 55.8 N max.	X	—	
Mechanical Operation	Mated and unmated 500 times.	① Contact resistance: 25 mΩ max. ② No damage, crack and looseness of parts.	X	—	
Vibration	Frequency : 10 to 55 Hz, singe amplitude 0.75 mm, for 2h each in 3 axial directions.	No damage, crack and looseness of parts.	X	—	
Shock	490 m/s ² duration of pulse 11 ms for 3 times in 3 both axial directions.		X	—	
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature	Temperature -55 → 5 to 35 → 85 → 5 to 35 °C Time 30 → 2 to 3 → 30 → 2 to 3 min Under 5 cycles.	No damage, crack and looseness of parts.	X	—	
Humidity Life	Exposed at 40 °C, 90 to 95 %, 96 h.	① Insulation resistance : 0.1 MΩ min. (at high humidity.) 1 MΩ min. (at dry.) ② No damage, crack and looseness of parts.	X	—	
Corrosion Salt Mist	Exposed in 5 % salt water spray for 48 h.	No heavy corrosion that lose function.	X	—	
Resistance to Soldering Heat	Solder temperature 260 ± 5 °C for immersion, duration 10 ± 1 s.	No deformation of case and excessive looseness of the terminals.	X	—	
Solderability	Soldered at solder temperature 245 ± 2 °C for immersion, duration 3 ± 1 s.	Min. 95 % of solder immersed area shall be covered new solder coating.	X	—	
Ferrite Impedance Characteristics	Impedance at the test frequency shown on the right is not less than the specified value	8 Ω min at 10 MHz 50Ω min at 100 MHz	X	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	KI. NAGANUMA	18.06.01
			CHECKED	KI. NAGANUMA	18.06.01
			DESIGNED	TU. TANIGUCHI	18.06.01
			DRAWN	TU. TANIGUCHI	18.06.01
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-028354-50-02	
HRS	SPECIFICATION SHEET		PART NO.	RDBF-25SE-LNA (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL211-0881-9-50	△ 1/1