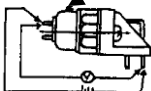



APPLICABLE STANDARD					
Rating	Operating Temperature Range	— °C to — °C		Storage Temperature Range	— °C to — °C
	Voltage	350 V AC , 490 V DC		Operating Humidity Range	— % to — %
	Current	3 A		Applicable Cable	—
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
General Examination		Visually and by measuring instrument.		According to drawing.	X X
Marking		Confirmed visually.			X X
ELECTRIC CHARACTERISTICS					
Contact Resistance		100 mA (DC or 1000 Hz). Note.1		25 mΩ max.	X X
Contact Resistance Millivolt Level Method		20 mV max 1 mA (DC or 1000Hz). Note.1			
Insulation Resistance		500 V DC.		5000 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		Max ϕ 1.041 by steel gauge. Min ϕ 0.991		Insertion force 3.33 N max. Extraction force 0.28 N min.	X —
Insertion and Withdrawal Forces		Measured by applicable connector.		Insertion force 123.5 N max. Extraction force 82.3 N max.	—
Mechanical Operation		500 times insertions and extractions. Note.1		1) Contac resistance: 25 mΩ max. 2) No damage, crack and looseness of parts.	X —
Vibration		Frequency 10 to 55 Hz Single amplitude 0.75 mm, at 2h, for 3 directions.		No damage, crack and looseness of parts.	X —
Shock		490 m/s ² duration of pulse 11 ms at 3 times for 3 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 —
Damp Heat		Exposed at 40°C , 90 to 95 % , 96 h.		1) Insulation resistance: 10 MΩ min (at high humidity). 1000 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.	X —
Resistance to Soldering Heat		Solder temperature 260 ± 5 °C max 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 —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					
REMARK			HDCB-37P		
Note.1 Measurment point of contact resistance 			APPROVED	NM. NISHIMATSU	17. 02. 23
			CHECKED	NM. NISHIMATSU	17. 02. 23
			DESIGNED	MO. SHIMOYAMA	17. 02. 23
			DRAWN	JY. IGA	17. 02. 23
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-021518-55-01
HRS	SPECIFICATION SHEET		PART NO.	RDCD-37SE-LNA (4-40) (55)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL211-0468-2-55	 1/1