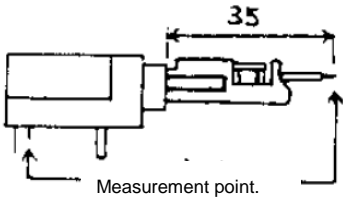


APPLICABLE STANDARD					
Rating	Operating Temperature Range	-25 °C TO +60 °C (Note 1)	Storage Temperature Range	- °C TO - °C	
	Voltage	125 V AC , 175 V DC	Applicable Cable	Wire : AWG # 28 to 26 Insulator diameter : Φ0.75 to 0.83 Outside diameter : Φ4 to 5.2	
	Current	0.5 A			
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
General Examination		Visually and by measuring instrument.	According to drawing.	X	X
Marking		Confirmed visually.		X	X
ELECTRICAL CHARACTERISTICS					
Contact Resistance		Measured at 1 mA max (DC or 1000 Hz). (Note 2)	35 mΩ max.	X	X
Insulation Resistance		100V DC	250 MΩ min.	X	X
Voltage Proof		300 V AC. for 1 min.	No flashover or breakdown.	X	X
MECHANICAL CHARACTERISTICS					
Mating and Unmating Forces		Measured with an applicable connector.	Mating force : 9.6 N max. Unmating force : 1.8 N min.	X	—
Mechanical Operation		Mated and unmated 1000 times. (Note 2)	① Contact resistance : 35 mΩ max. ② No damage, crack and looseness of parts.	X	—
Vibration		Frequency : 10 to 55 Hz, single amplitude 0.75 mm, at 5 min/cycle, 10 cycles.	① No electrical discontinuity of 10 μs. ② 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 → 25 → 85 → 25 °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 ~ 95 %, 96 h.	① Insulation resistance : 1 MΩ min. (at high humidity.) 100 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 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	—
Lock Strength		Apply 68.6 N pull force in mating axial direction.	① Must be mating during the test. ② No abnormality in the engagement part after the test.	X	—
<p>(Note 1) The operation temperature includes the temperature rise by current carrying. (Note 2) Measurement point.</p> 					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	RI. TAKAYASU	18. 06. 06
			CHECKED	AH. KODAMA	18. 06. 06
			DESIGNED	MO. SHIMOYAMA	18. 06. 06
			DRAWN	MO. SHIMOYAMA	18. 06. 06
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-045474-50-02	
HRS	SPECIFICATION SHEET		PART NO.	3130A-6P-C (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL231-3007-0-50	△ 1/1