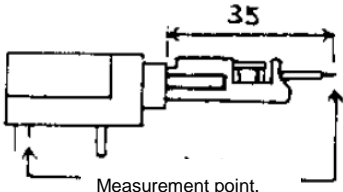


APPLICABLE STANDARD					
Rating	Operating Temperature Range	−25 °C TO +60 °C (Note 1)	Storage Temperature Range	− °C TO − °C	
	Voltage	125 V AC , 175 V DC	Applicable Wire		
	Current	0.5 A			
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
General Examination	Visually and by measuring instrument.	According to drawing.	X	X	
Marking	Confirmed visually.		X	X	
<b>ELECTRICAL CHARACTERISTICS</b>					
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	
<b>MECHANICAL CHARACTERISTICS</b>					
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 <sup>2</sup> duration of pulse 11 ms for 3 times in 3 both axial directions.		X	—	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
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> <div style="text-align: center;">  <p>Measurement point.</p> </div>					
	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-045480-54-02	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	3110-6SB (54)	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL231-3017-4-54	△ 1/1