

APPLICABLE STANDARD					
Rating	Operating Temperature Range	-55 °C to +85 °C ⁽¹⁾	Storage Temperature Range	-10 °C to +60 °C ⁽²⁾	
	Operating Humidity Range	Relative humidity 85 % max (Not dewed)	Storage Humidity Range	Relative humidity 85 % max (Not dewed)	
	Voltage	200 V AC	Applicable Cable	—	
	Current	1 A	Insulation	—	
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).	15 mΩ MAX.	x	—
Insulation Resistance		500 V DC.	1000 MΩ MIN.	x	—
Voltage Proof		650 V AC for 1 min.	No flashover or breakdown.	x	—
MECHANICAL CHARACTERISTICS					
Mechanical Operation		100 times insertions and extractions.	1) Contact Resistance : 20 mΩ MAX. 2) No damage, crack and looseness of parts.	x	—
Vibration		Frequency 10 to 55 Hz, Single amplitude : 0.75 mm, 2 h in 3 directions.	1) No electrical discontinuity of 1 μs. 2) No damage, crack and looseness of parts.	x	—
Shock		490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions.		x	—
ENVIRONMENTAL CHARACTERISTICS					
Damp Heat (Steady state)		Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.	1) Contact Resistance : 20 mΩ MAX. 2) Insulation Resistance : 1000 MΩ MIN. 3) No damage, crack and looseness of parts.	x	—
Rapid Change of Temperature		Temperature -55 → +5 to +35 → +85 → +5 to +35 °C Time 30 → 10 to 15 → 30 → 10 to 15 min. Under 5 cycles.		x	—
Corrosion Salt Mist		Exposed in 5 % salt water spray for 48 h.	1) Contact Resistance : 20 mΩ MAX. 2) No heavy corrosion.	x	—
Sulphur Dioxide		Exposed in 10 PPM for 96 h. (Test standard: JEIDA 39)		x	—
Resistance to Soldering Heat		Solder bath : Solder temperature, 260 ± 5 °C for immersion, duration, 10 ± 1 s. (JIS C 5402-12-4, JIS C 60068-2-20) Soldering irons : 360°C for 5 sec MAX.	No deformation of case of excessive looseness of the terminals.	x	—
Solderability		Soldered at solder temperature, 245 ± 3 °C for immersion duration, 3 sec.		x	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	1	DIS-F-00004289	HR.NAGAYASU	HT.YAMAGUCHI	20190221
REMARK			APPROVED	NH.NAKATA	20170410
(1) Temperature rise included when energized.			CHECKED	HT.YAMAGUCHI	20170410
(2) "STORAGE" means a long-term storage state for the unused product before the board mounted.			DESIGNED	HR.NAGAYASU	20170410
Unless otherwise specified, refer to IEC-60512.			DRAWN	HR.NAGAYASU	20170410
Clerical corrections. △					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELCX-375931-00-00
HRS	SPECIFICATION SHEET		PART NO.	A4B-*PA-2DS(51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL622	△ 1/1