

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.	×	×
Marking		Confirmed visually.			×	×
ELECTRIC CHARACTERISTICS						
Contact Resistance		100 mA (DC or 1000 Hz).		15 mΩ MAX .	×	—
Insulation Resistance		500 V DC.		1000 MΩ MIN.	×	—
Voltage Proof		650 V AC for 1 min.		No flashover or breakdown.	×	—
MECHANICAL CHARACTERISTICS						
Mechanical Operation		100 times insertions and extractions.		1) Contact Resistance: 20 mΩ MAX. 2) No damage, crack and looseness of parts. 1) No electrical discontinuity of 1 μs. 2) No damage, crack and looseness of parts.	×	—
Vibration		Frequency 10 to 55 Hz, single amplitude : 0.75 mm, 2 h in 3 directions.			×	—
Shock		490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions.			×	—
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.	×	—
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.			×	—
Corrosion Salt Mist		Exposed in 5 % salt water spray for 48 h.		1) Contact Resistance: 20 mΩ MAX. 2) No heavy corrosion.	×	—
Sulphur Dioxide		Exposed in 10 PPM for 96 h. (Test standard: JEIDA 39)			×	—
Resistance to Soldering Heat		Solder bath : solder temperature, 260 ± 5 °C for immersion,duration, 10 ± 1 s. (JISC5402-12-4, JISC60068-2-20)		No deformation of case of excessive looseness of the terminals.	×	—
		Soldering irons : 360°C for 5 s MAX.			×	—
Solderability		Soldered at solder temperature, 245 ± 3 °C, for immersion duration, 3 s.		A new uniform coating of solder shall cover a minimum of 95% of the surface being immersed.	×	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	1	DIS-F-00004353	HR.NAGAYASU	HT.YAMAGUCHI	20190301	
REMARK (1) Temperature rise included when energized. (2) This storage indicates A long—term storage state For the unused product before the board mounted. Unless otherwise specified, refer to IEC-60512. Clerical corrections.			APPROVED	NH.NAKATA	20170410	
			CHECKED	HT.YAMAGUCHI	20170410	
			DESIGNED	HR.NAGAYASU	20170410	
			DRAWN	HR.NAGAYASU	20170410	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELCX-375929-00-00	
	SPECIFICATION SHEET		PART NO.	A3B- * PA-2DSA(51)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL621		1/1