





Applicable standard					
Rating	Operating temperature range	-40 °C to +105°C (Note1)	Storage temperature range	-10 °C to +60°C (Note3)	
	Operating humidity range	20% to 80% (Note2)	Storage humidity range	40% to 70% (Note3)	
	Applicable connector	DF62#-24S-2.2C(**)	Voltage	250V AC/DC	
	UL, C-UL Rating	<div> <div>Voltage</div> <div>Current</div> <div>Operating temperature range</div> </div>	<div> <div>250V AC/DC </div> <div>2.5A</div> <div>-35°C~75°C (Note1)</div> </div>	Current	AWG #22 : 2.5A/pin AWG #24 : 2.0A/pin AWG #26 to 30 : 1.0A/pin
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		20mV MAX, 1mA (DC or 1000Hz).		30 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		30 times insertion and extraction.		①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X -
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.		①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X -
Shock		490 m/s ² duration of pulse 11 ms at 3 times each for 3 both axial directions.		①No electrical discontinuity of 1 μs. ②No damage, crack or looseness of parts.	X -
Environmental characteristics					
Damp heat (Steady state)		Exposed at 40 ± 2°C, 90 to 95 %, 96 h. (After leaving the room temperature for 1-2h.)		①Contact resistance: 30 mΩ MAX. ②Insulation resistance: 1000 MΩ MIN. ③No damage, crack or looseness of parts.	X -
Rapid change of temperature		Temperature -55°C→ +85°C Time 30min→ 30min Under 5 cycles. (The transferring time of the tank is 2-3 min) (After leaving the room temperature for 1-2h.)		①Contact resistance: 30 mΩ MAX. ②Insulation resistance: 1000 MΩ MIN. ③No damage, crack or looseness of parts.	X -
Resistance to Soldering heat		1)Solder bath method Soldered at solder temperature, 260°C for in immersion, duration, 10 s. 2)Manual soldering Soldering iron temperature :300°C, Soldering time :3s. No strength on contact.		No deformation of case of excessive looseness of the terminals.	X -
Solderability		Soldered at solder temperature, 245°C for in immersion, duration, 5 s.		A new uniform coating of solder shall cover minimum of 95 % of the surface being immersed.	X -
Remarks Note 1: Include the temperature rising by current. Note 2: No condensing. Note 3: Apply to unused product on packaged condition.					
	Count	Description of revisions	Designed	Checked	Date
	1	DIS-H-00019309	RI. GENDA	SZ. ONO	20231023
Unless otherwise specified, refer to IEC 60512.				Approved	SJ. OKAMURA
				Checked	SZ. ONO
				Designed	SS. YAMASAKI
				Drawn	SS. YAMASAKI
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.	ELC-362876-01-00	
	Specification sheet		Part no.	DF62-24P-2. 2DSA (01)	
	Hirose electric co., ltd.		Code no.	CL0544-0584-0-01	 1/1