

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	Voltage	250V AC/DC \triangle	Current	AWG #22 : 2.5A	
		Current	2.5A		AWG #24 : 2.0A	
	Operating temperature range	-35°C~75°C (Note1)		AWG #26 to 30 : 1.0A		
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 the condition of long term storage for unused products before mounted on PCB. After mounted on PCB, operation temperature and humidity range is applied for interim storage during transportation.						
	Count	Description of revisions	Designed	Checked	Date	
\triangle	1	DIS-H-00019309	RI. GENDA	SZ. ONO	20231023	
Unless otherwise specified, refer to IEC 60512.			Approved	HS. OKAWA	20160902	
			Checked	TS. FUKUSHIMA	20160902	
			Designed	TS. MIYAKI	20160902	
			Drawn	TS. MIYAKI	20160902	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.	ELC-362875-01-00		
HS	Specification sheet		Part no.	DF62-24P-2. 2DS (01)		
	Hirose electric co., ltd.		Code no.	CL0544-0583-0-01	\triangle 1/1	