






Applicable standard					
Rating	Operating Temperature range	-55 °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	DF63-5S-3.96C		Voltage	AC/DC 630V
				Current	AWG16:12A AWG18:11A AWG20:9A AWG22: 8A
		Rated Voltage	Rated Current	Overvoltage Category	IP-Degree
 UL, C-UL		600V AC/DC	See above	-	-
 TUV		300V AC/DC	See above	II	IP00
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).		10mΩ MAX.	X —
Insulation resistance		500 V DC.		1000 MΩ MIN.	X —
Voltage proof		1500 V AC for 1 min.		No flashover or breakdown.	X —
Mechanical characteristics					
Mechanical operation		30 times insertion and extraction.		①Contact resistance: 20mΩ 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 1μs. ②No damage, crack or looseness of parts.	X —
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both axial directions.		①No electrical discontinuity of 1μs. 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 to 2h.)		①Contact resistance: 20mΩ MAX. ②Insulation resistance: 500 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 to 3 min) (After leaving the room temperature for 1 to 2h.)		①Contact resistance: 20mΩ MAX. ②Insulation resistance: 1000 MΩ MIN. ③No damage, crack or looseness of parts.	X —
Resistance to soldering heat		1) Automatic soldering (Flow) Soldered at solder temperature 260°C for immersing duration 10s. 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 immersing duration 5s.		A new uniform coating of solder shall cover minimum of 95% of the surface being immersed.	X —
Note 1: Include the temperature rising by current. Note 2: No condensing Note3: Apply to the condition of long term storage for unused products before mounted on PCB. After mounted on PCB board , operating temperature and humidity range is applied for interim storage during transportation.					
	Count	Description of revisions	Designed	Checked	Date
	2	DIS-H-00004228	TS. KUMAZAWA	SZ. ONO	18. 09. 20
Remarks  Unless otherwise specified, refer to IEC 60512.				Approved	HS. OKAWA 16. 07. 13
				Checked	TS. FUKUSHIMA 16. 07. 13
				Designed	YK. YAMAGUCHI 16. 07. 12
				Drawn	MI. SAKIMURA 16. 07. 12
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.	ELC-365877-00-00	
	Specification sheet		Part No.	DF63-3P-7.92DS	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL680-0559-0-00	 1/1