





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)
	Voltage	630V AC/DC		Applicable connector	DF63(#)-*EP-3.96C(##)
	Current	AWG 16	15A/pin	Applicable cable	AWG 16 to 18
AWG 18		13A/pin	Insulation diameter	φ 2.1 to φ 3.2 mm	
		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 Millivolt level method		20mV MAX, 1mA (DC or 1000 Hz).		10 mΩ MAX.	X —
Mechanical characteristics					
Mechanical operation		50 times insertion and extraction.		1) Contact resistance: 20 mΩ MAX. 2) No damage, crack or looseness of parts.	X —
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.		1) No electrical discontinuity of 1 μ s. 2) No 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.		1) No electrical discontinuity of 1 μ s. 2) No 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 2 h.)		1) Contact resistance: 20 mΩ MAX. 2) No damage, crack or looseness of parts.	X —
Rapid change of temperature		Temperature -55 °C → +85 °C Time 30 min → 30 min  Under 5 cycles. (The transferring time of the tank is 2 to 3 min) (After leaving the room temperature for 1 to 2 h.)		1) Contact resistance: 20 mΩ MAX. 2) No damage, crack or looseness of parts.	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-00010588	TS.KUMAZAWA	SZ.ONO	20210826
Unless otherwise specified, refer to IEC 60512.				Approved	SJ.OKAMURA
				Checked	SZ.ONO
				Designed	TS.KUMAZAWA
				Drawn	TS.HONJO
Note QT:Qualification test AT:Assurance test X:applicable test			Drawing No.	ELC-382872-00-00	
	Specification sheet		Part No.	DF63-1618PCFA	
	Hirose electric co., Ltd.		Code No.	CL0680-0636-0-00	 1/1