





Applicable standard					
Rating 	Operating temperature range	-35 °C to +85°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	350 V AC/DC	Applicable socket	DF61-2S-2.2C	
	Current	AWG28 : 3.0A/pin AWG26 : 3.2A/pin	Applicable cable	UL10368 AWG26 to AWG28	
			Insulation diameter	φ 0.88 to 0.98 mm	
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		20 mV MAX, 1 mA(DC OR 1000 Hz).		10 mΩMAX.	X -
Mechanical characteristics					
Contact insertion and extraction forces		T=0.2±0.002 mm by steel gauge.		Insertion force 5 N MAX. Extraction force 0.1 N MIN.	X -
Mechanical operation		30 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 μs. ② No damage, crack or looseness of parts.	X -
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.			X -
Crimp tensile Strength		Crimping the core wire only.		AWG26 : 18 N MIN. AWG28 : 9 N MIN.	X -
Environmental characteristics					
Damp heat (Steady state)		Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1 – 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 30min→ 30min Under 5 cycls. (After leaving the room temperature for 1 – 2 h)			X -
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-00006882	SN. MIWA	SZ. ONO	20201201
Remarks			Approved	KI. AKIYAMA	20130326
			Checked	TS. KUMAZAWA	20130325
			Designed	ST. SATO	20130322
			Drawn	ST. SATO	20130322
Unless otherwise specified, refer to IEC60512					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.		ELC-351069-00-00
	Specification sheet		Part no.	DF61-2628SCF	
	Hirose electric co., ltd.		Code no.	CL0666-5005-2-00	 1/1