









Applicable standard					
Rating	Operating Temperature Range	-35 to +85°C (Note1)	Storage Temperature Range	-10 °C to +60°C (Note3)	
	Operating Humidity Range	40% to 80% (Note2)	Storage Humidity Range	40% to 70% (Note3)	
	Voltage	100 V AC/DC	Applicable Connector	DF20%-*DS-1C	
	Current	AWG 30 : 0.9A AWG 32 : 0.7A	Applicable Wire	30-32 AWG Jacket Diameter : 0.5-0.6mm	
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 1000Hz).	30 mΩ MAX.	X	—
Mechanical Characteristics					
Mechanical Operation		50 times insertion and extraction.	1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.	X	—
Vibration		Frequency 10-55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 directions. 	1) No electrical discontinuity of 1 μ s. 2) No damage, crack or looseness of parts.	X	—
Shock		Acceleration 500 m/s ² duration of pulse 11 ms at 3 times for 3 directions. 	1) No electrical discontinuity of 1 μ s. 2) No damage, crack or looseness of parts.	X	—
Crimp Contact Tensile Strength		Fix the contact and pull the wire in vertical direction.	30 AWG (7/0.102mm) : 8 N MIN. 32 AWG (7/0.08mm) : 5 N MIN.	X	—
Environmental Characteristics					
Damp Heat (Steady State)		Exposed at 40 ± 2°C , humidity 90-95 %, 96 h. (After leaving the room temperature for 1-2h.)	1) Contact resistance: 30 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 Cycles. (The transferring time of the tank is 2-3 min) (After leaving the room temperature for 1-2h.)	1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.	X	—
Dry Heat 		Exposed at +85±2°C, 96h	1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.	X	—
Cold 		Exposed at -55±3°C, 96h	1) Contact resistance: 30 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 packed condition.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	4	DIS-H-00005881	SN. MIWA	SZ. ONO	20200616
Unless otherwise specified, refer to IEC 60512.			APPROVED	KI. AKIYAMA	20110908
			CHECKED	HK. UMEHARA	20110908
			DESIGNED	TH. YOSHIZAWA	20110908
			DRAWN	KY. SHIMAKURA	20110908
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-164279-01
	SPECIFICATION SHEET		PART NO.	DF20F-3032SCFA (44)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL686-0043-9-44	 1/1