








Applicable standard					
Rating	Operating Temperature range 	-55 °C to +105°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	250V AC/DC	Applicable connector	DF3-*S-2C(##)	
	Current 	AWG 22 : 4A	Applicable cable	UL 1061 AWG 22	
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	100mA (DC or 1000 Hz).		30 mΩ MAX.	X	—
Mechanical characteristics					
Contact insertion and Extraction force	<input type="checkbox"/> 0.5±0.002 by steel gauge.		Insertion force 4.4N MAX Extraction force 0.3N MIN	X	—
Mechanical operation	30 times insertion and extraction.		① Contact resistance : 30 mΩ MAX. ② No damage, crack or looseness of parts.	X	—
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2h, for 3 directions.		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	—
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.)		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 to 3 min) (After leaving the room temperature for 1 to 2h.)			X	—
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 harness assembly. After harness assembly, operation temperature and humidity range is applied for interim storage during transportation. 					
	Count	Description of revisions	Designed	Checked	Date
	4	DIS-H-00005232	TO. KUROMATSU	SZ. ONO	20190902
Remarks  Unless otherwise specified, refer to IEC 60512.			Approved	TS. SAKATA	20100212
			Checked	TS. FUKUSHIMA	20100212
			Designed	TH. YOSHIZAWA	20100212
			Drawn	YK. NAKATSU	20100212
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing No.		ELC-162445-00-01
	Specification sheet		Part No.	DF3-22SC	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL543-0236-6-00	 1/1