








Applicable standard					
Rating	Operating temperature range	-55°C to + 105°C(Note 1)	Storage temperature range	-10°C to + 60°C(Note 3)	
	Operating humidity range	40% to + 80%(Note 2)	Storage humidity range	40% to + 70%(Note 3)	
	Voltage	250V AC/DC	Applicable connector	DF3-*S-2C(##)	
	Current 	AWG 22 : 4A	Applicable cable	UL1061, AWG22	
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).		30mΩ 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		50 times insertions and extractions.		① Contact resistance: 30mΩ MAX. ② No damage, crack or looseness of parts.	X —
Vibration		Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions.		① No electrical discontinuity of 1μs. ② No damage, crack or looseness of parts.	X —
Shock		490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.		① No electrical discontinuity of 1μs. ② No damage, crack or looseness of parts.	X —
Environmental characteristics					
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.)		① Contact resistance: 30mΩ MAX. ② No damage, crack or looseness of parts.	X —
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: 30mΩ MAX. ② No damage, crack or looseness of parts.	X —
Remarks					
Note 1: Including the temperature rise 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
	3	DIS-H-00005232	TO. KUROMATSU	SZ. ONO	20190902
Unless otherwise specified , refer to IEC 60512.				Approved	TY. OMA
				Checked	HK. UMEHARA
				Designed	TT. OHSAKO
				Drawn	AK. MIURA
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.		ELC-306329-00-01
	Specification sheet		Part no.	DF3-22SCFC	
	Hirose electric co., ltd.		Code no.	CL543-0861-0-00	 1/1