

Applicable standard						
Rating	Operating temperature range	-35 °C to +85 °C(Notes 1)	Storage temperature range	-10°C to +60 °C(Note 3)		
	Operating humidity range 	20% to + 80%(Note 2)	Storage humidity range 	40% to + 70%(Note 3)		
	Voltage	150 V AC/DC	Current 	AWG 26 : 2.5A AWG 28 : 2.0A AWG 30 : 1.0A		
	Applicable cable	26 - 30 AWG				
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	100 mA (DC or 1000Hz).		30 mΩ MAX.		X	—
Mechanical characteristics						
Contact insertion and extraction force	□0.35±0.002mm by steel gauge.		Insertion force : 3.0N MAX. Extraction force : 0.3N MIN.		x	—
Mechanical operation	30 times insertions and extractions.		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 2 h, for 3 directions.		① No electrical discontinuity of 1 μs. 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 1 μs. ② No damage, crack or looseness of parts.		X	—
Crimp tensile Strength	Fix the contact and pull the cable.		AWG 26 : 20N MIN. AWG 28 : 10N MIN. AWG 30 : 5.9N MIN.		X	—
Environmental characteristics						
Rapid change of temperature 	Temperature -55→15 to 35 →+85→15 to 35 °c Time 30→ 2 to 3 → 30 → 2 to 3 min Under 5 cycles.		① Contact resistance: 30 mΩ MAX. ② No damage, crack or looseness of parts.		X	—
Damp heat (Steady state) 	Exposed at 40 ± 2 °c, 90 to 95 %, 96 h.		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 the condition of long term storage for unused products before mounted on PCB.  After mounted on PCB, operation temperature and humidity range is applied for interim storage during transportation.						
	Count	Description of revisions	Designed	Checked	Date	
	7		HT. SATO	SZ. ONO	20190531	
Unless otherwise specified , refer to IEC 60512.				Approved	KJ. KATAYOSE	20050105
				Checked	TY. OMA	20050105
				Designed	TS. KUMAZAWA	20050105
				Drawn	TS. KUMAZAWA	20050105
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no.	ELC-081857-41-00		
	Specification sheet		Part no.	DF13-2630SCF (41)		
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