







Applicable standard					
Rating	Operating temperature range	-40 °C 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	250 V AC/DC	Applicable connector	DF1E(A)-*EP-2.5C	
	Current	3A/pin	Applicable cable 	UL 1007 AWG 20 to22	
Specifications					
Item	Test method	Requirements	QT	AT	
<b>Construction</b>					
General examination	Visually and by measuring instrument.	According to drawing.	X	X	
Marking	Confirmed visually.		X	X	
<b>Electric characteristics</b>					
Contact resistance millivolt level method	20mV MAX, 1mA (DC or 1000Hz).	30 mΩ MAX.	X	-	
<b>Mechanical characteristics</b>					
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 2 h, for 3 direction.	1)No electrical discontinuity of 1 μ s. 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	-	
<b>Environmental characteristics</b>					
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	-	
Rapid change of temperature	temperature -55→ 5 to 35→+85→ 5 to 35 °C time 30→ 5 max → 30→ 5 max min under 5 cycles.	1)Contact resistance: 30 mΩ MAX. 2)No damage, crack or looseness of parts.	X	-	
<b>Remarks</b>					
Note 1: Include the temperature rising by current.					
Note 2: No condensing					
Note 3: Apply to the unused product on the packaged condition.					
	Count	Description of revisions	Designed	Checked	Date
	2	DIS-H-00010499	KT. NUMATA	SZ. ONO	20210812
	Format change		Approved	KJ. KATAYOSE	20050105
			Checked	TY. OMA	20050105
			Designed	TS. KUMAZAWA	20050105
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Unless otherwise specifid , refer to IEC 60512.					
Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test	Drawing no.	ELC4-161021-00
	Specification sheet		Part no.	DF1E-2022PC	
	Hirose electric co., ltd.		Code no.	CL0541-0938-0-00	 1/1