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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 △1	UL 1007 AWG 20 to22

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	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 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.		X	–
Environmental characteristics				
Damp heat (Steady state)	Exposed at 40 ± 2℃ , 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	–

Remarks
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
△1	2	DIS-H-00010499	KT. NUMATA	SZ. ONO	20210812
△1	Format change				

Unless otherwise specifid , 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.	ELC4-161021-00	
HRS	Specification sheet	Part no.	DF1E-2022PC	
	Hirose electric co., ltd.	Code no.	CL0541-0938-0-00	△ 1/1

FORM HD0011-2-1