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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 ⚠1	Operating temperature range	-35 °C to +85°C (Note1)	Storage temperature range	-10 °C to +60°C (Note3)
	Operating humidity range	20% to 80% (Note2)	Storage humidity range	40% to 70% (Note3)
	Voltage	350 V AC/DC	Applicable socket	DF61-2S-2.2C
	Current	AWG#26 : 3.2A/pin AWG#24 : 4.0A/pin AWG#22 : 5.0A/pin	Applicable cable	UL10368 AWG#22 to AWG#26
			Insulation diameter	ϕ0.98 to 1.3 mm

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	20 mV MAX, 1 mA(DC OR 1000 Hz).	10 mΩMAX.	X	–
Mechanical characteristics				
Contact insertion and extraction forces	T=0.2±0.002 mm by steel gauge.	Insertion force 5 N MAX. Extraction force 0.1 N MIN.	X	–
Mechanical operation	30 times insertion and extraction.	① Contact resistance: 20 mΩ MAX. ② No damage, crack or looseness of parts.	X	–
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.	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.		X	–
Crimp tensile Strength	Crimping the core wire only.	AWG#22 : 40 N MIN. AWG#24 : 28 N MIN. AWG#26 : 18 N MIN.	X	–
Environmental characteristics				
Damp heat (Steady state)	Exposed at 40 ± 2℃ , 90 to 95 %, 96 h. (After leaving the room temperature for 1 – 2 h)	① Contact resistance: 20 mΩ MAX. ② No damage, crack or looseness of parts.	X	–
Rapid change of temperature	Temperature -55℃→ +85℃ Time 30min→ 30min Under 5 cycls. (After leaving the room temperature for 1 – 2 h)		X	–

Note 1: Include the temperature rising by current.
Note 2: No condensing.
Note 3: Apply to unused product on packaged condition.

	Count	Description of revisions	Designed	Checked	Date
⚠	1	DIS-H-00006882	SN. MIWA	SZ. ONO	20201201

Remarks

Unless otherwise specified, refer to IEC60512

Approved	KI. AKIYAMA	20121128
Checked	HK. UMEHARA	20121128
Designed	TT. OHSAKO	20121127
Drawn	TT. OHSAKO	20121127

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

Drawing no. ELC-342494-41-01

HRS	Specification sheet	Part no.	DF61-2226SCF(41)	
	Hirose electric co., ltd.	Code no.	CL0666-5004-0-41 ⚠	1/1

FORM HD0011-2-1