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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		-35 °C TO +105°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)
	Applicable Connector		DF62B-6EP-2.2C(##)	Voltage	AC/DC 250V
	UL・C-UL Rating △1	Voltage	250 V AC/DC	Current	AWG 22 : 3A/pin AWG 24 : 2A/pin AWG 26-30 : 1A/pin
		Current	AWG 22 : 3A/pin AWG 24 : 2A/pin AWG 26-30 : 1A/pin		
		Operating Temperature range	-35 °C TO +75°C (NOTE1)	Applicable contact	DF62-22SC* DF62-2428SC* DF62-30SC*

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				
Insulation resistance	500 V DC.	1000 MΩ MIN.	X	−
Voltage proof	650 V AC for 1 min.	No flashover or breakdown.	X	−
Mechanical characteristics				
Mechanical operation	30 times insertion and extraction.	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.	No damage, crack or looseness of parts.	X	−
Shock	490 m/s^2 duration of pulse 11 ms at 3 times each for 3 both axial directions.	No damage, crack or looseness of parts.	X	−
Environmental characteristics				
Damp heat (Steady state)	Exposed at 40 ± 2℃ , 90 to 95 %, 96 h. (After leaving the room temperature for 1−2h.)	①Insulation resistance: 1000 MΩ MIN. ②No damage, crack or looseness of parts.	X	−
Rapid change of temperature	Temperature -55℃→ +85℃ Time 30min→ 30min Under 5 cycles. (The transferring time of the tank is 2−3 min) (After leaving the room temperature for 1−2h.)	①Insulation resistance: 1000 MΩ MIN. ②No damage, crack or looseness of parts.	X	−

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 inserting terminal. After inserting terminal, operating temperature and humidity range is applied for interim storage during transportation.

	Count	Description of revisions	Designed	Checked	Date
△1	1	DIS-H-00019419	RI.GENDA	SZ.ONO	20231115

Remarks

Unless otherwise specified, refer to IEC 60512.

Approved	KI.AKIYAMA	20140606
Checked	TS.FUKUSHIMA	20140606
Designed	TS.KUMAZAWA	20140606
Drawn	TS.KUMAZAWA	20140606

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

		Drawing No.	ELC-351974-18-02	
HRS	Specification sheet	Part No.	DF62C-6S-2.2C(18)	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL0544-0569-5-18 △1	1/1

FORM HD0011-2-1