

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

Applicable standard			
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-6S-2.2C(##) DF62C-6S-2.2C(##)	Voltage	AC/DC 250V
Applicable contact	DF62-EP22PC* DF62-EP2428PC* DF62-EP30PC*	Current	AWG 22 : 3A AWG 24 : 2A AWG 26-30 : 1A

### 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>			
Insulation resistance	500 V DC.	1000 MΩ MIN.	X -
Voltage proof	650 V AC for 1 min.	No Flashover or breakdown.	X -
<b>Mechanical characteristics</b>			
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 <sup>2</sup> duration of pulse 11 ms at 3 times each for 3 both axial directions.	No damage, crack or looseness of parts.	X -
<b>Environmental characteristics</b>			
Damp heat (Steady state)	Exposed at 40 ± 2°C, 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°C → +85°C 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 -

Count	Description of revisions	Designed	Checked	Date
△				

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 inserting terminal. After inserting terminal, operating temperature and humidity range is applied for interim storage during transportation.				
Unless otherwise specified, refer to IEC 60512.				

Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test	Drawing No.	ELC4-351967-02
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<b>HRS</b>	Specification sheet		Part No.	DF62B-6EP-2.2C(18)	
	HIROSE ELECTRIC CO., LTD.		Code No.	CL544-0562-6-18	
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