

Applicable standard				
Rating	Operating Temperature range	-40 °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	DF62W-*EP-2.2C(##)	Voltage	AC/DC 250V
	Applicable cable	UL1007 : AWG22-24 UL1430 : AWG26	Current	AWG 22 : 3A AWG 24 : 2A AWG 26 : 1A

### Specifications

Item	Test method	Requirements	QT	AT
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<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	20mV MAX, 1mA (DC or 1000Hz).	30 mΩ MAX.	X	-

<b>Mechanical characteristics</b>				
Mechanical operation	30 times insertion and extraction.	①Contact resistance: 30 mΩ MAX. ②No damage, crack or looseness of parts.	X	-
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 10 cycles for 3 direction.	①No electrical discontinuity of 1 μs. ②No 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.	①No electrical discontinuity of 1 μs. ②No 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.)	①Contact resistance: 30 mΩ MAX. 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.)	①Contact resistance: 30 mΩ MAX. 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 PCB on board. After PCB on board, operating temperature and humidity range is applied for interim storage during transportation.

Count	Description of revisions	Designed	Checked	Date
0				

Remarks	Approved	KI. AKIYAMA	15.08.24
	Checked	TS. FUKUSHIMA	15.08.24
	Designed	YK. YAMAGUCHI	15.08.24
	Drawn	MI. SAKIMURA	15.08.24

Unless otherwise specified, refer to IEC 60512.

Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	Drawing No.	ELC4-353733-00	
<b>HRS</b>	Specification sheet	Part No.	DF62W-EP2226PC	
	HIROSE ELECTRIC CO., LTD.	Code No.	CL544-1013-3-00	1/1