Applicable standard				
Rating	Operating Temperature Range	-55 to +105℃(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	630 V AC/DC	Applicable Connector	DF63-2S-3.96C
	Current	AWG 16 : 14A/pin AWG 18 : 12A/pin AWG 20 : 10A/pin AWG 22 : 8A/pin	Applicable Contact	DF63-1618PC(F)(A) DF63-2022PC(F)(A)

	Rated Voltage	Rated Current	Overvoltage Category	IP-Degree
UL,C-UL	600V AC/DC	See above	-	-
TÜV	300V AC/DC	See above	Ⅱ	IP00

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	1500 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	Acceleration 490 m/s^2 duration of pulse 11 ms at 3 times for 3 directions.	No damage, crack or looseness of parts.	X	—
Environmental Characteristics				
Damp Heat (Steady State)	Exposed at 40 ± 2℃ , humidity 90 to 95 %, 96 h. (After leaving the room temperature for 1 to 2h.)	1)Insulation resistance: 500 MΩ MIN. 2)No damage, crack or looseness of parts.	X	—
Rapid Change Of Temperature	Temperature -55℃→ +85℃ Time 30min→ 30min △3 Under 5 Cycles. (The transferring time of the tank is 2 to3 MIN) (After leaving the room temperature for 1 to 2h.)	1)Insulation resistance: 1000 MΩ MIN. 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 unused product on packaged condition. △3

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△3	2	DIS-H-00010586	TS.KUMAZAWA	SZ.ONO	20210826

Unless otherwise specified, refer to IEC 60512.

APPROVED	HK.UMEHARA	20150324
CHECKED	HK.UMEHARA	20150324
DESIGNED	YK.YAMAGUCHI	20150324
DRAWN	YK.YAMAGUCHI	20150324

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

DRAWING NO. ELC-361253-00-00

HRS	SPECIFICATION SHEET	PART NO.	DF63-2EP-3.96C	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0680-0533-0-00 △3	1/1

FORM HD0011-2-1