

Applicable standard		Specifications							
Rating	Operating Temperature range	-35 °C to +85°C (Note1)	Storage Temperature range	-10 °C to +60°C (Note3)					
	Operating Humidity range	40% to 80% (Note2)	Storage Humidity range	40% to 70% (Note3)					
	Voltage	AC/DC 250V	Applicable cable	UL1007,1061 : AWG20 to 22					
	Current	AWG20 : 5A/pin AWG22 : 3A/pin	Applicable connector	DF1BA-*(D)EP-2.5RC DF1B-*(D)EP-2.5RC					
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>									
Contact resistance	100 mA (DC OR 1000Hz).		30 mΩ MAX.		X -				
<b>Mechanical characteristics</b>									
Mechanical operation	30 times insertion and extraction.		1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.		X -				
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2h, for 3 directions.		1) No electrical discontinuity of 1 μ s. 2) No damage, crack or looseness of parts.		X -				
Shock	490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.				X -				
<b>Environmental characteristics</b>									
Damp heat (steady state)	Exposed at 40 ± 2°C , 90 to 95 %, 96 h.		1) Contact resistance: 30 mΩ MAX. 2) No damage, crack or looseness of parts.		X -				
Rapid change of temperature	Temperature -55→5 to 35→+85→5 to 35°C Time 30→5 →30 →5min Under 5 cycles.				X -				
<b>Remarks</b>									
Note1: Include the temperature rising by current. Note2: No condensing. Note3: Apply to the packaged and unused product.									
Count	Description of revisions		Designed	Checked	Date				
2	DIS-H-00017601		JN. TONAI	SZ. ONO	20230324				
Unless otherwise specified, refer to IEC 60512.				Approved	TY. OMA				
				Checked	HK. UMEHARA				
				Designed	NS. HIROSE				
				Drawn	AK. MIURA				
Note QT:Qualification test AT:Assurance test X:applicable test			Drawing No.		ELC-020431-00-01				
<b>HRS</b>	Specification sheet		Part No.	DF1B-2022PCF					
	Hirose electric co., Ltd.		Code No.	CL0541-0259-9-00	1/1				