

Applicable standard																	
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												
Construction																	
General examination		Visually and by measuring instrument.	According to drawing.	X	X												
Marking		Confirmed visually.		X	X												
Electric characteristics																	
Contact resistance		100 mA (DC OR 1000Hz).	30 mΩ MAX.	X	—												
Mechanical characteristics																	
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 ² duration of pulse 11 ms at 3 times for 3 directions.		X	—												
Environmental characteristics																	
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	—												
Remarks Note1: Include the temperature rising by current. Note2: No condensing. Note3: Apply to the packaged and unused product.																	
<table border="1" style="width: 100%;"> <tr> <td></td> <td>Count</td> <td>Description of revisions</td> <td>Designed</td> <td>Checked</td> <td>Date</td> </tr> <tr> <td>2</td> <td>2</td> <td>DIS-H-00017601</td> <td>JN. TONAI</td> <td>SZ. ONO</td> <td>20230324</td> </tr> </table>							Count	Description of revisions	Designed	Checked	Date	2	2	DIS-H-00017601	JN. TONAI	SZ. ONO	20230324
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2	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													
HS	Specification sheet		Part No.	DF1B-2022PCF													
	Hirose electric co., Ltd.		Code No.	CL0541-0259-9-00	1/1												