








Applicable Standard																	
Rating 	Operating temperature range	-40 °C to +105°C (Note 1)		Storage temperature range	-10 °C to +60°C (Note 3)												
	Operating humidity range	40% to 80% (Note 2)		Storage humidity range	40% to 70% (Note 3)												
	Voltage	250 V AC/DC		Applicable connector	MDF97-5P-3.5DS(##)												
	Current	AWG#22:6A AWG#24:6A (Note 4) 5A		Applicable contact Applicable cable	MDF97-22SC** AWG#22 AWG#24												
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																	
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 ² duration of pulse 11 ms at 3 times each for 3 both axial directions.			X —												
Environmental characteristics																	
Damp heat (Steady state)		Exposed at 40 ± 2°C , 90 to 95 %, 96 h. (After leaving the room temperature for 1-2h.)		① Insulation resistance: 500 MΩ MIN. ② No 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.)		① Insulation resistance: 1000 MΩ MIN. ② No damage, crack or looseness of parts.	X —												
Dry heat		Exposed at 105 ± 2°C , 96h. (After leaving the room temperature for 1-2h.)		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 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.																	
Note 4: Apply 6A (AWG#24) in case of condition Table.1. 																	
Table. 1																	
Condition		Contact No.															
		1	2	3	4	5											
①		3A	NONE	6A	NONE	3A											
②		NONE	3A	6A	3A	NONE											
③		3A	NONE	6A	3A	NONE											
④		NONE	3A	6A	NONE	3A											
<table border="1"> <tr> <td></td> <td>Count</td> <td>Description of revisions</td> <td>Designed</td> <td>Checked</td> <td>Date</td> </tr> <tr> <td></td> <td>2</td> <td>DIS-H-00004163</td> <td>TS. MIYAKI</td> <td>SZ. ONO</td> <td>18. 09. 04</td> </tr> </table>							Count	Description of revisions	Designed	Checked	Date		2	DIS-H-00004163	TS. MIYAKI	SZ. ONO	18. 09. 04
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	2	DIS-H-00004163	TS. MIYAKI	SZ. ONO	18. 09. 04												
Unless otherwise specified, refer to IEC 60512.				Approved	HS. OKAWA	16. 11. 18											
				Checked	TS. FUKUSHIMA	16. 11. 18											
				Designed	TS. MIYAKI	16. 11. 18											
				Drawn	TS. MIYAKI	16. 11. 18											
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			Drawing no..		ELC-354809-00-00												
	Specification sheet		Part no.	MDF97-5S-3. 5C													
	Hirose electric co., ltd.		Code no.	CL547-1101-8-00	 1/1												