

***TDK-Lambda***

**RTHN SERIES**

**SPECIFICATIONS**



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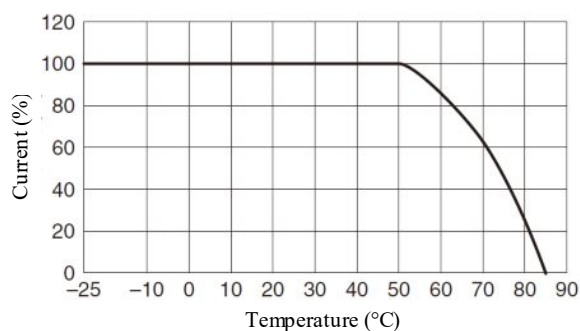
## RTHN SERIES

# SPECIFICATIONS

Items	Model		RTHN-5006	RTHN-5010	RTHN-5020	RTHN-5030	RTHN-5040	
1	Rated Voltage (AC, DC)	V	500					
2	Rated Current (AC, DC) *1	A	6	10	20	30	40	
3	Test Voltage (terminals to base plate, 1min AC)	V	2500 at 20±15°C, 65± 20 %					
4	Isolation Resistance (terminals to base plate, 500V DC)	M Ω	100 min. at 20±15°C, 65± 20 %					
5	Leakage Current	500V, 60Hz	mA					5 max.
6	DC Resistance (both lines)	m Ω	290	120	50	26	20	
7	Temperature Rise	°C	35 max.					
8	Operating Temperature	°C	-25 ~ +85					
9	Operating Humidity	-	15 ~ 85 % RH					
10	Storage Temperature	°C	-25 ~ +85					
11	Storage Humidity	-	5 ~ 85 % RH					
12	Vibration	-	Frequency : 10~55Hz Amplitude : 0.7mm, Sweep for 1 min. Dimension and times : X, Y and Z directions for 0.5 hours each.					
13	Safety Standards	-	EN60939, UL1283					
14	Weight	g	700	700	1000	1000	2100	

### NOTE

- \*1 Value for Ta less than 50 °C (include 50 °C)
- For Ta more than 50 °C (not include 50 °C)
- According to the derating curve shown on the right.



### CAUTION

- Specifications which provide more details for the proper and safe use of the described product are available upon request.
- All specification are subject to change without notice.

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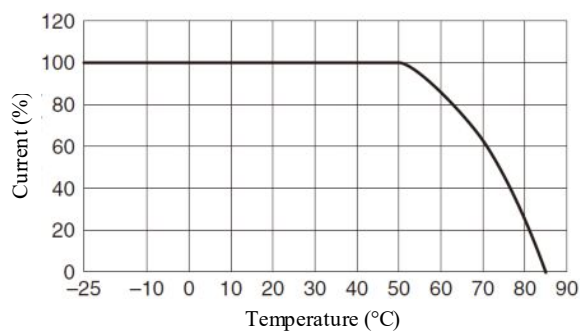
## RTHN SERIES

# SPECIFICATIONS

Items	Model		RTHN-5050	RTHN-5060	RTHN-5080	RTHN-5100	RTHN-5150	
1	Rated Voltage (AC, DC)	V	500					
2	Rated Current (AC, DC) *1	A	50	60	80	100	150	
3	Test Voltage (terminals to base plate, 1min AC)	V	2500 at 20±15°C, 65± 20 %					
4	Isolation Resistance (terminals to base plate, 500V DC)	M Ω	100 min. at 20±15°C, 65± 20 %					
5	Leakage Current	500V, 60Hz	mA					5 max.
6	DC Resistance (both lines)	m Ω	14	10	10	8	6	
7	Temperature Rise	°C	35 max.					
8	Operating Temperature	°C	-25 ~ +85					
9	Operating Humidity	-	15 ~ 85 % RH					
10	Storage Temperature	°C	-25 ~ +85					
11	Storage Humidity	-	5 ~ 85 % RH					
12	Vibration	-	Frequency : 10~55Hz Amplitude : 0.7mm, Sweep for 1 min. Dimension and times : X, Y and Z directions for 0.5 hours each.					
13	Safety Standards	-	EN60939, UL1283					
14	Weight	g	2000	2000	7000	7500	11600	

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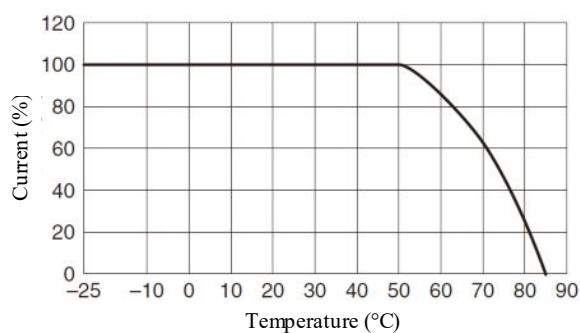
# RTHN SERIES

## SPECIFICATIONS

Items	Model		RTHN-5200	RTHN-5250	RTHN-5300			
1	Rated Voltage (AC, DC)	V	500					
2	Rated Current (AC, DC) *1	A	200	250	300			
3	Test Voltage (terminals to base plate, 1min AC)	V	2500 at 20±15°C, 65± 20 %					
4	Isolation Resistance (terminals to base plate, 500V DC)	M Ω	100 min. at 20±15°C, 65± 20 %					
5	Leakage Current	500V, 60Hz	mA					5 max.
6	DC Resistance (both lines)	m Ω	4	3	2			
7	Temperature Rise	°C	35 max.					
8	Operating Temperature	°C	-25 ~ +85					
9	Operating Humidity	-	15 ~ 85 % RH					
10	Storage Temperature	°C	-25 ~ +85					
11	Storage Humidity	-	5 ~ 85 % RH					
12	Vibration	-	Frequency : 10~55Hz Amplitude : 0.7mm, Sweep for 1 min. Dimension and times : X, Y and Z directions for 0.5 hours each.					
13	Safety Standards	-	EN60939					
14	Weight	g	15800	15000	14300			

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