



## Features

- ◆ Lower cost (Than RTAN Series)
- ◆ DIN Rail Mount Option (Up 30A)
- ◆ Conforms to UL and EN Safety Agency Certifications

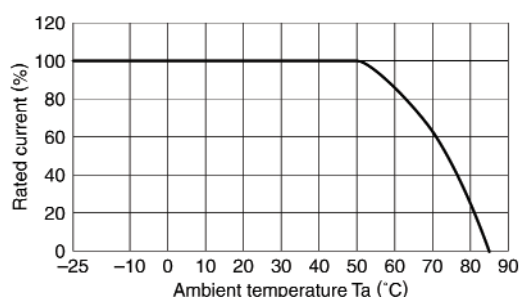
## Specifications

| MODELS                       |    | RTEN-5006<br>RTEN-5006D                                      | RTEN-5010<br>RTEN-5010D | RTEN-5020<br>RTEN-5020D | RTEN-5030<br>RTEN-5030D | RTEN-5040 |
|------------------------------|----|--------------------------------------------------------------|-------------------------|-------------------------|-------------------------|-----------|
| ITEMS                        |    |                                                              |                         |                         |                         |           |
| Rated Voltage (AC, DC)       | V  | 500V Three phase                                             |                         |                         |                         |           |
| Rated Current                | A  | 6A                                                           | 10A                     | 20A                     | 30A                     | 40A       |
| DC Resistance (total)        | mΩ | 145                                                          | 60                      | 25                      | 13                      | 10        |
| MODELS                       |    | RTEN-5050                                                    | RTEN-5060               | RTEN-5080               | RTEN-5100               | RTEN-5150 |
| Rated Voltage (AC, DC)       | V  | 500V Three Phase                                             |                         |                         |                         |           |
| Rated Current                | A  | 50A                                                          | 60A                     | 80A                     | 100A                    | 150A      |
| DC Resistance (total)        | mΩ | 7                                                            | 5                       | 5                       | 4                       | 3         |
| MODELS                       |    | RTEN-5200                                                    | RTEN-5250               | RTEN-5300               |                         |           |
| Rated Voltage (AC, DC)       | V  | 500V Three Phase                                             |                         |                         |                         |           |
| Rated Current                | A  | 200A                                                         | 250A                    | 300A                    |                         |           |
| DC Resistance (total)        | mΩ | 2                                                            | 1.5                     | 1                       |                         |           |
| Withstand Voltage            | V  | Terminals to Case: 2500VAC (1 Minute)                        |                         |                         |                         |           |
| Isolation Resistance         | MΩ | 100MΩ minimum (500VDC, 1 Minute)                             |                         |                         |                         |           |
| Leakage Current (max)        | A  | 2.5mA at 250VAC 60Hz, 5mA at 500VAC 60Hz                     |                         |                         |                         |           |
| Operating Temperature        | °C | -25 to +85°C (Derate above 50°C, see derating curve)         |                         |                         |                         |           |
| Storage Temperature          | °C | -25 to +85°C                                                 |                         |                         |                         |           |
| Safety Agency Certifications | -  | UL1283 & EN60939                                             |                         |                         |                         |           |
| Weight                       | g  | 360g to 9200g model dependant (See weights chart on website) |                         |                         |                         |           |
| Warranty                     | yr | 1 Year                                                       |                         |                         |                         |           |

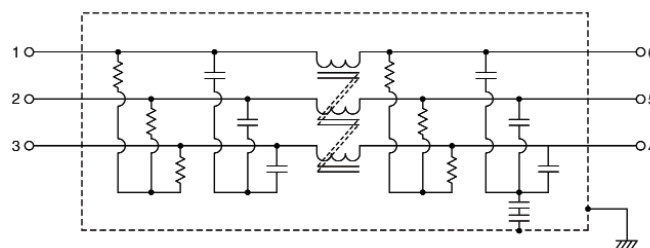
## Options

|                                   |            |
|-----------------------------------|------------|
| Chassis Mount                     | RTEN-5xxx  |
| DIN Rail Mount (Models up to 30A) | RTEN-50xxD |

## Derating

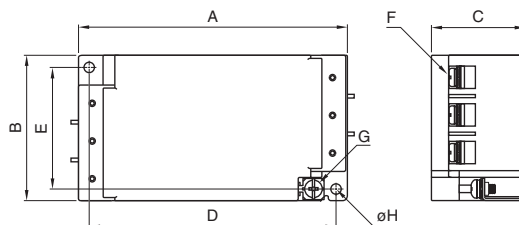


## Circuit

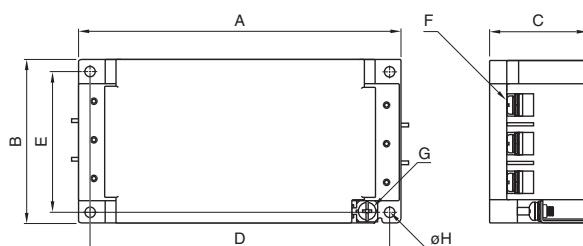


## Outline Drawing

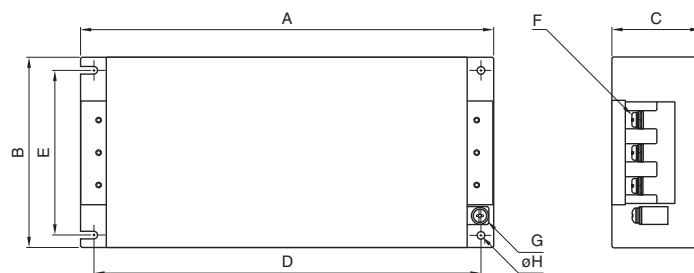
RTEN-5006/5010



RTEN-5020/5030/5040/5050/5060



RTEN-5080/5100/5150/5200/5250/5300



|           |     |     |     |     |     |     |    |     | Dimensions in mm                                                  |  |  |
|-----------|-----|-----|-----|-----|-----|-----|----|-----|-------------------------------------------------------------------|--|--|
| Part No.  | A   | B   | C   | D   | E   | F   | G  | H   | Recommended clamping torque                                       |  |  |
| RTEN-5006 | 120 | 63  | 42  | 110 | 53  | M4  | M4 | 4.5 | M4 1.27N m<br>M5 2.5N m<br>M6 4.8N m<br>M8 7.64N m<br>M10 11.8N m |  |  |
| RTEN-5010 |     |     |     |     |     |     |    |     |                                                                   |  |  |
| RTEN-5020 | 140 | 70  | 42  | 130 | 60  | M4  | M4 | 4.5 |                                                                   |  |  |
| RTEN-5030 |     |     |     |     |     |     |    |     |                                                                   |  |  |
| RTEN-5040 | 170 | 90  | 54  | 160 | 80  | M5  | M4 | 4.5 |                                                                   |  |  |
| RTEN-5050 |     |     |     |     |     |     |    |     |                                                                   |  |  |
| RTEN-5060 |     |     |     |     |     |     |    |     |                                                                   |  |  |
| RTEN-5080 | 267 | 161 | 85  | 247 | 135 | M8  | M6 | 6.5 |                                                                   |  |  |
| RTEN-5100 |     |     |     |     |     |     |    |     |                                                                   |  |  |
| RTEN-5150 | 290 | 190 | 88  | 270 | 164 | M8  | M6 | 6.5 |                                                                   |  |  |
| RTEN-5200 | 390 | 195 | 103 | 370 | 169 | M10 | M8 | 6.5 |                                                                   |  |  |
| RTEN-5250 |     |     |     |     |     |     |    |     |                                                                   |  |  |
| RTEN-5300 |     |     |     |     |     |     |    |     |                                                                   |  |  |

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/r-series.htm](http://us.tdk-lambda.com/lp/products/r-series.htm)

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