



2 : Output Specification

|  |     |     |     |     |      |      |
|--|-----|-----|-----|-----|------|------|
|  |     |     |     |     |      |      |
|  | 50  | 50  | 50  | 50  | 50   | 50   |
|  |     |     |     |     |      |      |
|  | 800 | 800 | 800 | 800 | 1200 | 1200 |
|  |     |     |     |     |      |      |
|  | 1.5 | 1.5 | 1.5 | 1.5 | 1.5  | 1.5  |
|  |     |     |     |     |      |      |
|  | 100 | 150 | 100 | 150 | 100  | 150  |
|  |     |     |     |     |      |      |
|  | 0.8 | 0.9 | 0.8 | 0.9 | 0.8  | 0.9  |
|  |     |     |     |     |      |      |
|  | 1   | 1   | 1   | 1   | 1    | 1    |

3 : General Specification

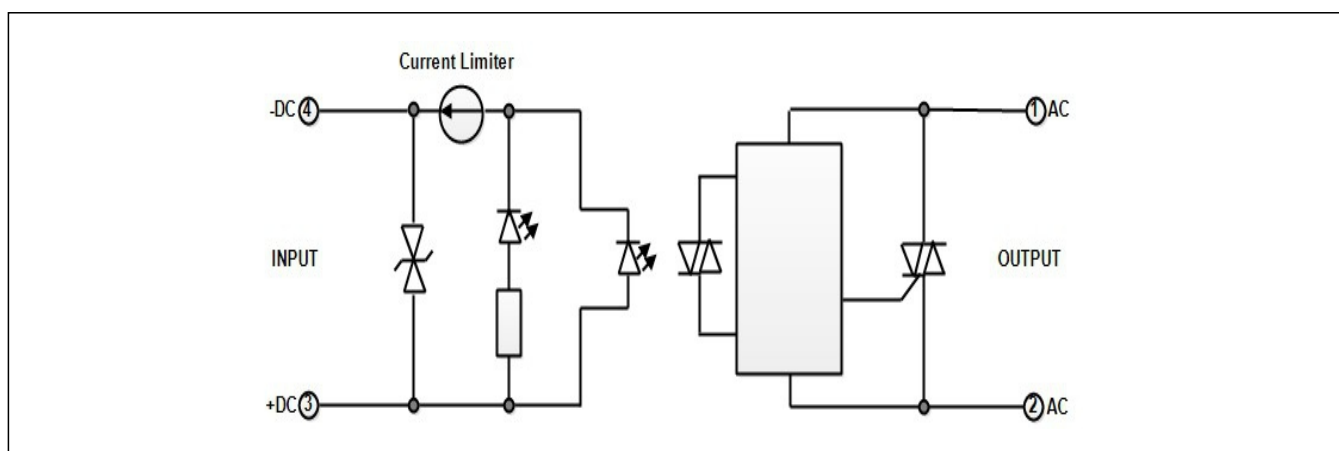
|                               |                    |           |           |           |           |
|-------------------------------|--------------------|-----------|-----------|-----------|-----------|
|                               |                    |           |           |           |           |
|                               | 2500 Vrms          | 4000 Vrms | 2500 Vrms | 4000 Vrms | 2500 Vrms |
|                               |                    |           |           |           |           |
| Ambient Humidity              | 93% non-condensing |           |           |           |           |
| Heat sink Thermal Resistance: | 1°C/W              |           |           |           |           |

#### 4 : Housing Specification

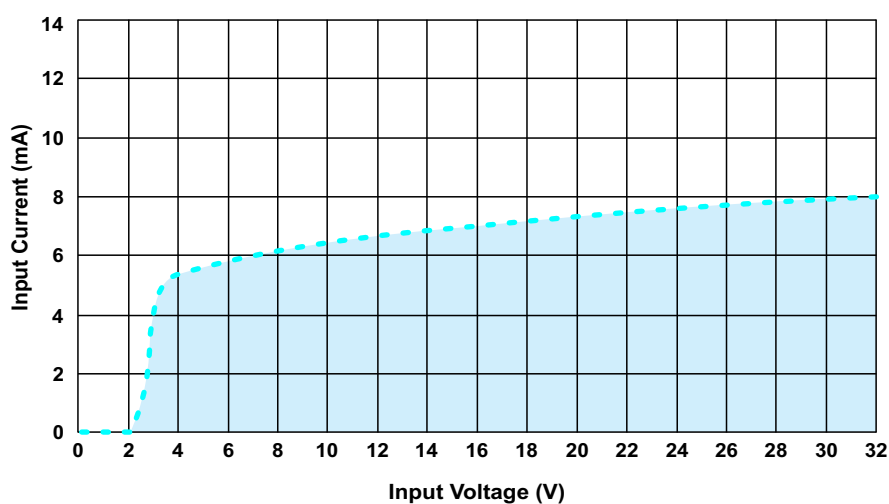
|                            |                        |
|----------------------------|------------------------|
| Weight                     | 87.2 g approx          |
| Baseplate                  |                        |
| Material                   | Glass filled polyester |
| LED input Status Indicator | Red                    |

#### 5 : Circuit Block Diagram

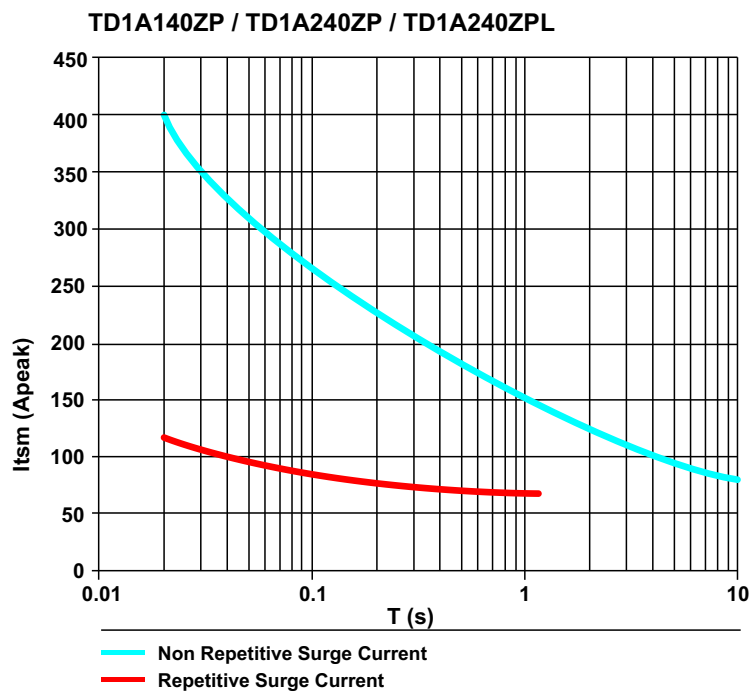
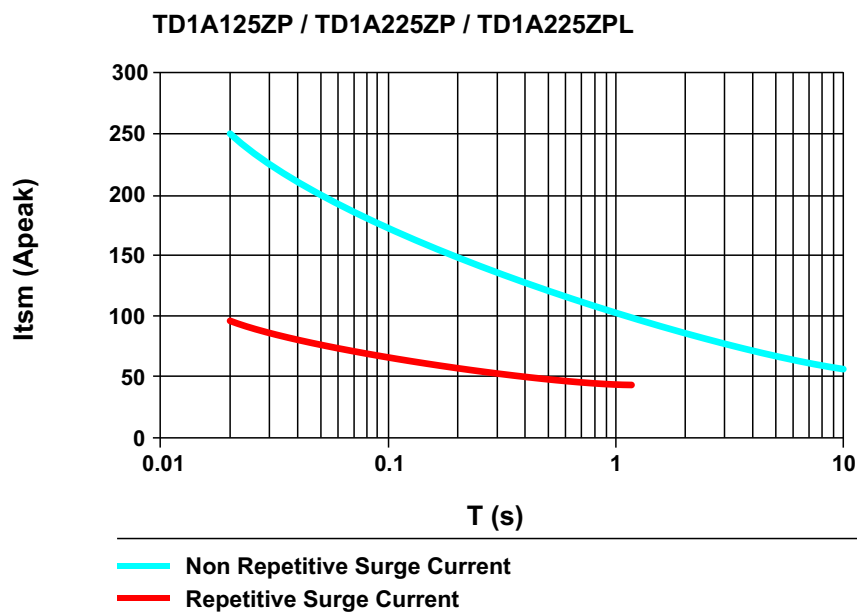
##### RSS Series



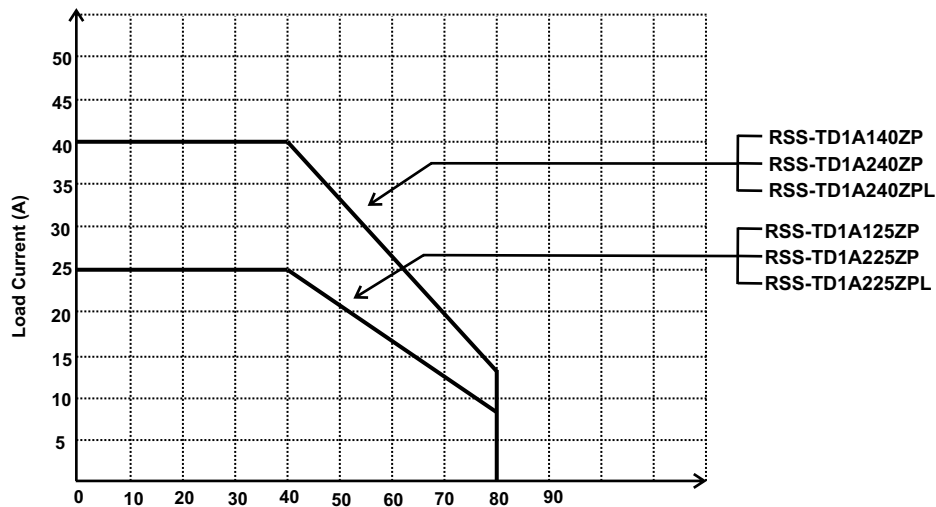
Input current vs Input Voltage  
Standard Regulated DC inputs



## 6 : Surge Current Information

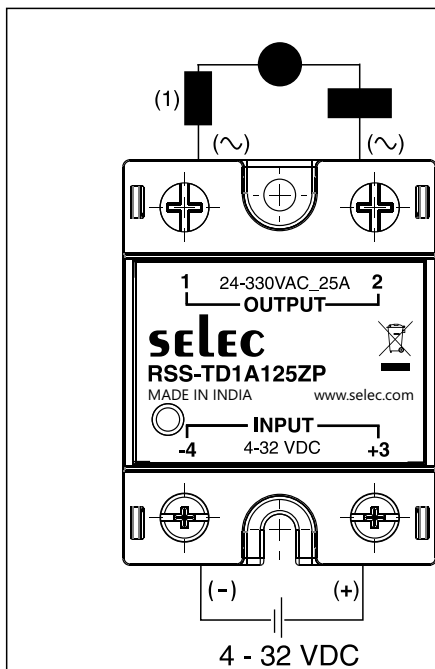


## 7 : Thermal Derating Curves

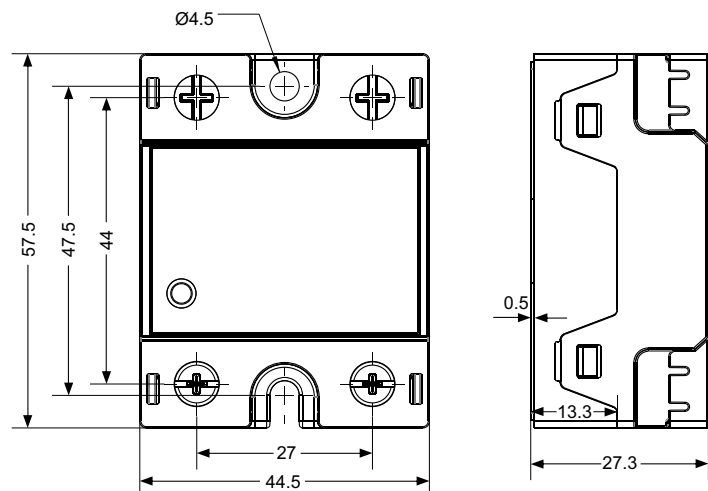


Ambient temperature [°C]  
Note.: Heat sink used with a radiation efficiency of 1°C/W

## 8 : Wiring



## 9 : Dimension (mm)



## 10 : Tightening Torque

| Screw Size                | Wire Size (Solid)                                                                      | Tightening Torque |
|---------------------------|----------------------------------------------------------------------------------------|-------------------|
| M4 Screws (control input) | 18..14 AWG (0.75..2.5 mm <sup>2</sup> )<br>2 x 18..14 AWG (0.75..2.5 mm <sup>2</sup> ) | 1.2 N-m           |
| M5 Screws (load output )  | 16..8 AWG (1.5..10 mm <sup>2</sup> )<br>2 x 16..8 AWG (1.5..10 mm <sup>2</sup> )       | 2.0 N-m           |