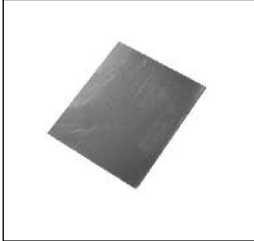


## Accessories

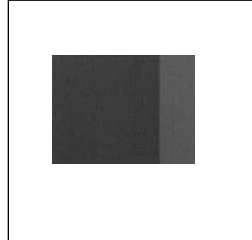
---

### Thermal Pads



- Ordering key: **KK071CUT**
- Packing qty. 50 pcs.
- Suitable for 1-phase SSRs
- Dimensions: 35 x 43mm

### Phase Change Thermal Pad



- Ordering key: **RFHT**
- Packing qty. 10 pcs.
- Suitable for RF1 series
- Dimensions: 19 x 17mm

### Thermal Compound



- Ordering key: **HTS02S**
- 2ml syringe of silicone based thermal compound

### Screw Kits



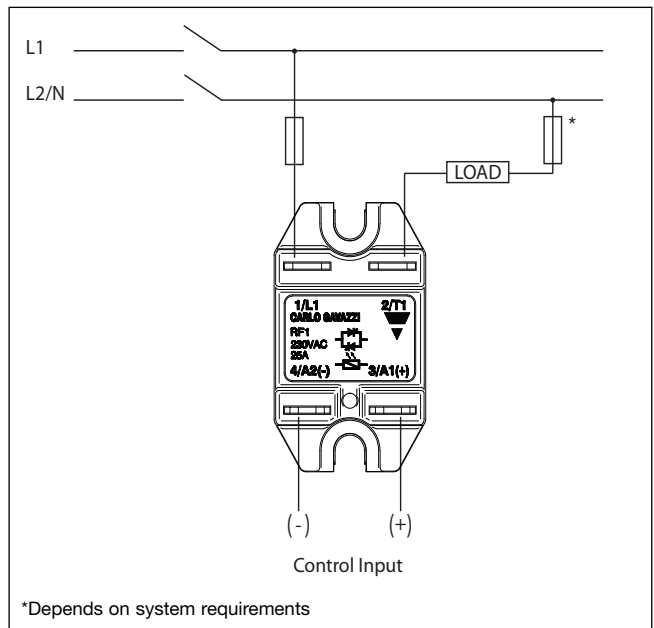
- Ordering key: **SRWKITM4X15MM**
- M4x15mm + washers
- Packing qty. 20 pcs.

## Heatsink Selection

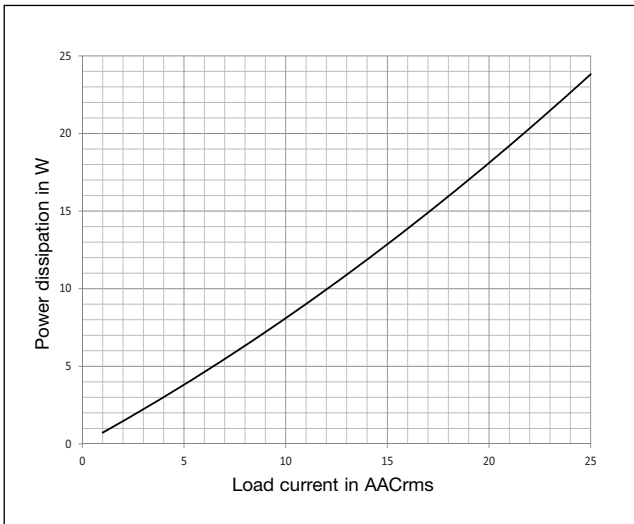
	Load current [A]							Power dissipation [W]
	2.5	5	7.5	10	12.5	15	17.5	
25	2.5	1.9	1.3	0.8	0.3	--	--	23.8
22.5	3.2	2.5	1.8	1.1	0.5	--	--	20.9
20	4.1	3.2	2.4	1.6	0.9	0.2	--	18.1
17.5	5.5	4.3	3.2	2.3	1.4	0.6	--	15.4
15	7.5	5.9	4.4	3.2	2.1	1.0	0.1	12.9
12.5	10	8.4	6.4	4.6	3.1	1.7	0.5	10.4
10	16	12	9.3	6.8	4.7	2.8	1.2	8.1
7.5	--	--	15	10	7.1	4.3	2.0	5.9
5	--	--	--	--	13	7.5	3.4	3.8
2.5	--	--	--	--	--	--	--	1.9
	20	30	40	50	60	70	80	T <sub>A</sub>

Note: These thermal resistance values are only applicable to the RF1 using the pre-attached thermal interface.

## Connection Diagram

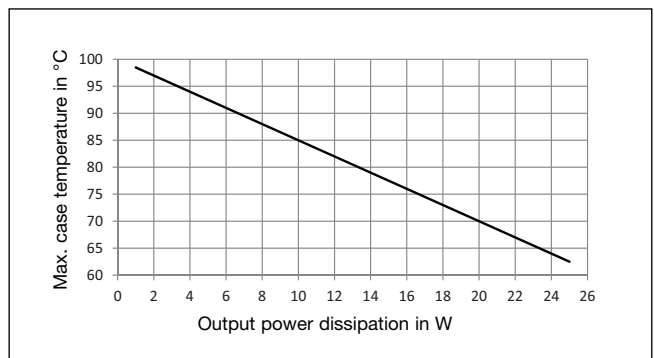


## Output Power Dissipation (P<sub>D</sub>)



## Thermal Specifications

Operating temperature	-30 °C to 80 °C (-22 to 176 °F)
Storage temperature	-40 °C to 100 °C (-40 to 212 °F)
Max. junction temperature, T <sub>j</sub>	100 °C (212 °F)
Junction to heatsink thermal resistance, including pre-attached thermal interface, R <sub>thjc</sub>	1.5 °C/W
Max. case temperature, T <sub>c</sub>	T <sub>j</sub> - (P <sub>D</sub> x R <sub>thjc</sub> ) See chart below



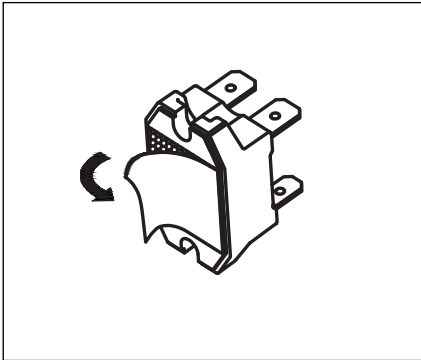
Duty cycle is considered to be 100%

## Short Circuit Protection, Co-ordination Type 2

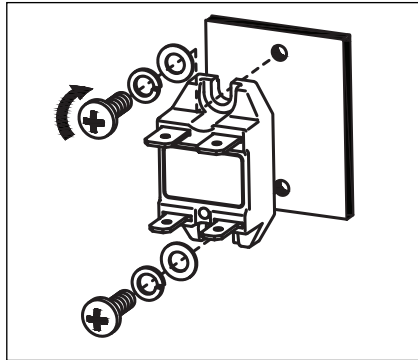
Part No.	Prospective short circuit current [kArms]	Mersen*	Siba
RF1..25	10	690 VAC, 25A gR 10x38 mm, FR10GR69V25	600 VAC, 25A gRL 10x38 mm, 60 034 34.25

\* formerly Ferraz Shawmut

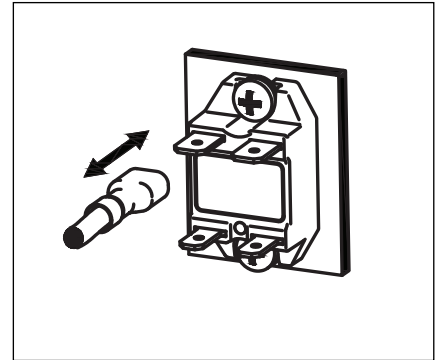
## Installation



1. Peel off liner before mounting on heatsink.



2. Tighten screws alternately to max. 1.0Nm.



3. Insert / remove FASTON receptacle only with RF1 tightened to a surface.

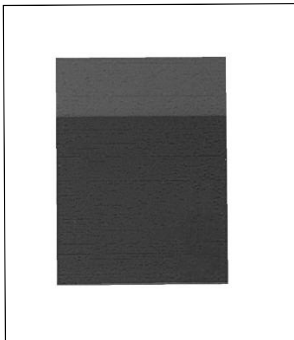
## Packaging



- 10 pcs. per box
- Weight per box, approx. 210 g

## Accessories

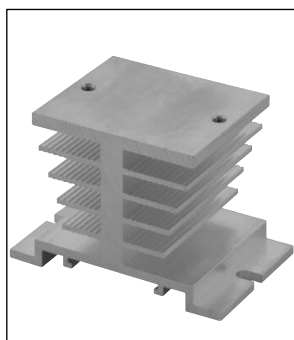
### Phase Change Thermal Pad



#### Ordering Key **RFHT**

- Phase change thermal pad for RF1
- Dimensions: 19mm x 17mm
- Packing quantity: 10 pieces

### Heatsinks



#### Ordering Key **RHS5050RFD**

- 3.5°C/W thermal resistance
- Dimensions: 80 x 50 x 51mm  
(Max. rating with mounted RF1 @ 40°C is 15 AAC)
- Panel Mounting

#### Ordering Key **RHS38ARFD**

- 2.85°C/W thermal resistance
- Dimensions: 46 x 76 x 33mm  
(Max. rating with mounted RF1 @ 40°C is 16 AAC)
- Thru wall or Panel Mounting

For specific details refer to the individual datasheet of each heatsink model.