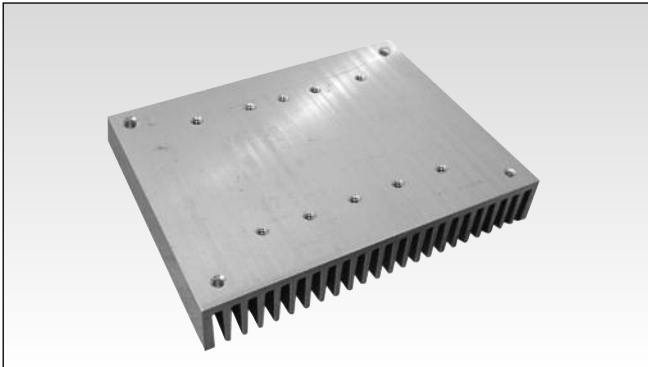


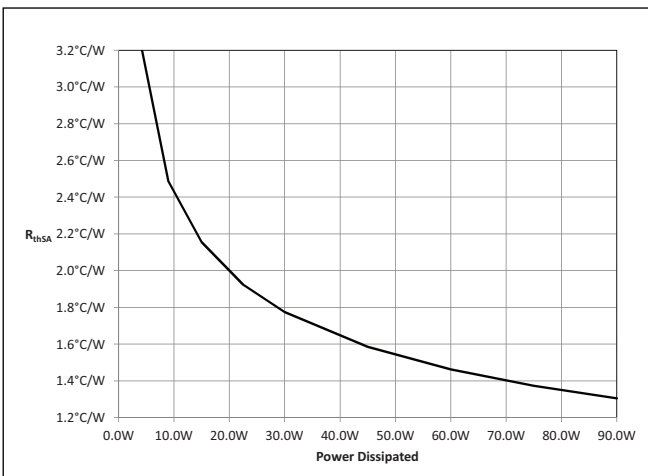
Solid State Relays Accessories, Heatsinks Type RHS16225D

CARLO GAVAZZI



- 1.3 °C/W thermal resistance
- Suitable for mounting of 1-phase or 3-phase SSRs
- Thru wall or panel mounting
- Dimensions W x H x D: 162 x 100 x 25 mm
- RoHS compliant

Thermal Resistance Curve



Ordering Key

RHS16225D

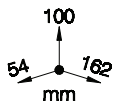
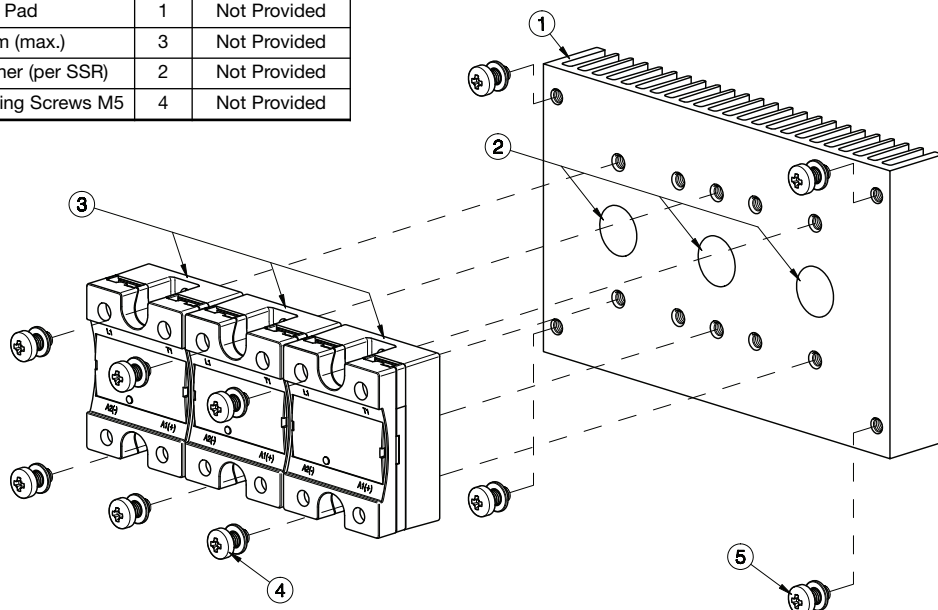
Product Description

Heatsink assembly suitable for mounting of maximum 3x 1-phase solid state relays (SSRs) or 1x 3-phase SSR.

Suffix H55 added to SSR part no. refers to factory mounted heatsink. Conditions apply. Please ask your Sales representative for further details.

Heatsink Assembly

Components for assembly		Qty	RHS16225D
1	RHS16225D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	1-phase SSR 45x59mm (max.)	3	Not Provided
4	M5x10mm PZ2 + Washer (per SSR)	2	Not Provided
5	Thru Wall Panel Mounting Screws M5	4	Not Provided



Dimensions including SSR

Heatsink Assembly

Components for assembly		Qty	RHS16225D
1	RHS16225D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	RGS1 SSR 18x90mm (max.)	3	Not Provided
4	M5x30mm Torx T20 + Washer (per SSR)	2	Not Provided
5	Thru wall Panel Mounting Screws M5	4	Not Provided

Dimensions including SSR

100
76 162
mm

Components for assembly		Qty	RHS16225D
1	RHS16225D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	RGS1 Power Module 18x90mm (max.)	3	Not Provided
4	M5x30mm Torx T20 + Washer (per SSR)	2	Not Provided
5	Thru wall Panel Mounting Screws M5	4	Not Provided
6	RGS1S Control Module 22.5x65mm (max.)	3	Not Provided

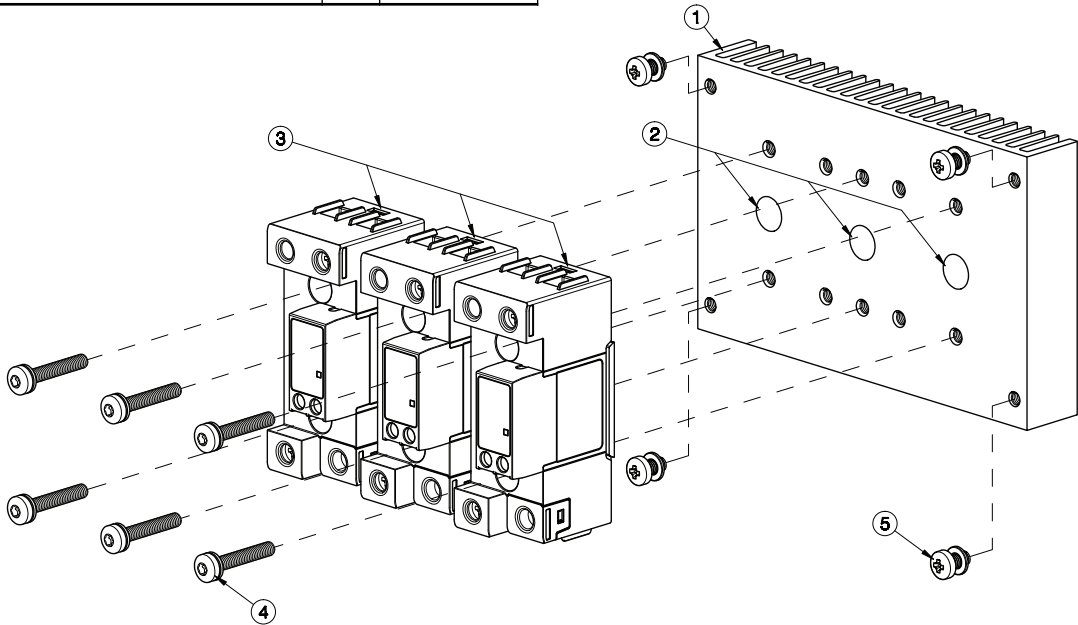
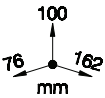
Dimensions including SSR

100
103 162
mm

Heatsink Assembly

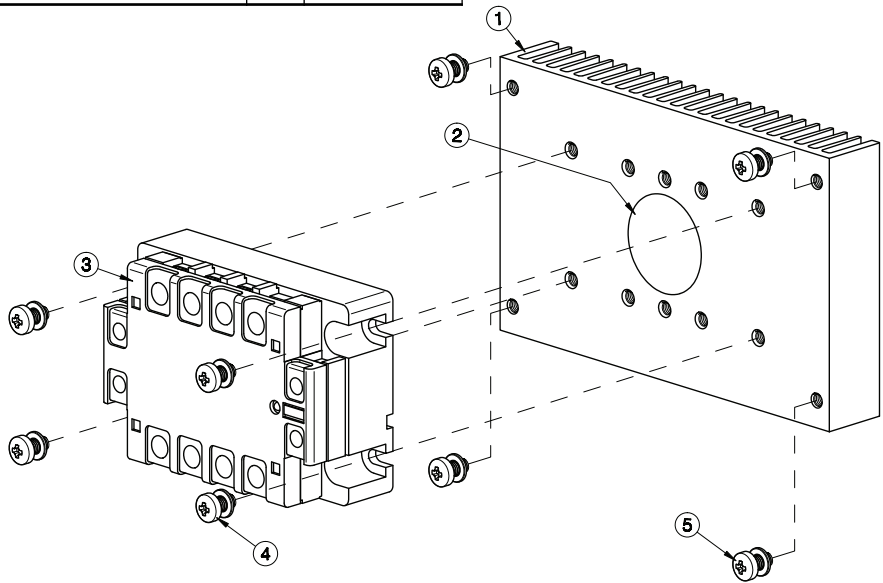
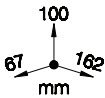
Components for assembly		Qty	RHS16225D
1	RHS16225D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	RGS1 or RGS1S SSR 36x90mm (max.)	3	Not Provided
4	M5x30mm Torx T20 + Washer (per SSR)	2	Not Provided
5	Thru wall Panel Mounting Screws M5	4	Not Provided

Dimensions including SSR



Components for assembly		Qty	RHS16225D
1	RHS16225D Heatsink Assembly	1	Provided
2	Thermal Compound or Pad	1	Not Provided
3	3-phase SSR 104 x 74mm	1	Not Provided
4	M5x10mm PZ2 + Washer	4	Not Provided
5	Thru wall Panel Mounting Screws M5	4	Not Provided

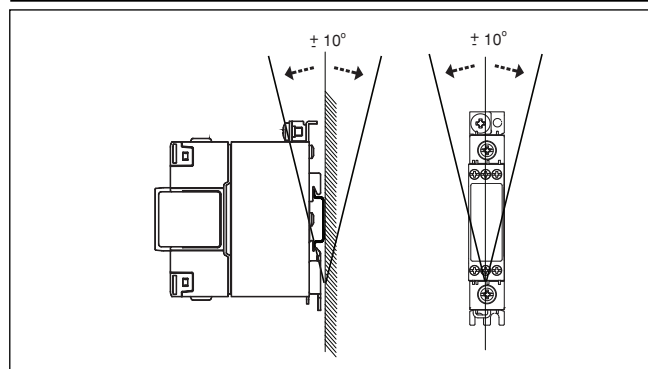
Dimensions including SSR



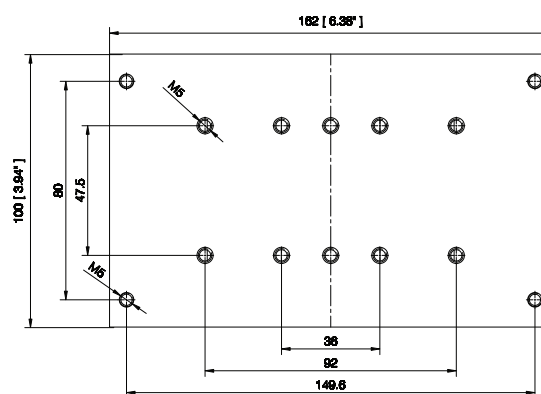
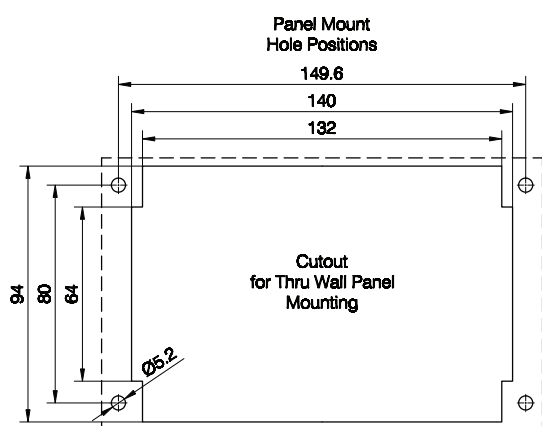
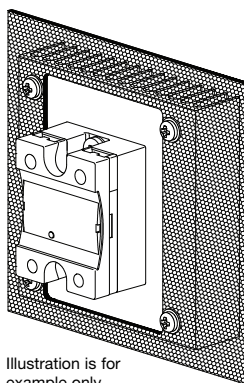
General Specifications

SSR max. mounting torque	1.5Nm (13.3 lb-in)
Weight (excl. SSR)	approx. 530g
Material	Aluminium
Finish	Silver anodization
Fan mounting	Not possible

Mounting Position



Installation



All dimensions in mm.

Recommended Maximum Current Rating (per SSR)

Notes:

- The below recommendations are only valid when the assembly (SSR + heatsink) is mounted as shown in the mounting instructions unless otherwise indicated.
- The indicated ratings are applicable to one SSR, one pole. Please refer to the online selector tool at www.productselection.net for different load currents, surrounding temperatures or multiple units on one heatsink.
- These recommendations are applicable only with the indicated Carlo Gavazzi thermal interface material between SSR and heatsink. In case a different thermal interface is utilised these recommendation may no longer be valid.

Thermal interface = Thermal compound, **HTS02S**

Thermal interface = Thermal pad

KK071CUT for 1-phase SSRs, **RGHT** for RG SSRs

1x 1-phase SSR	Surrounding temperature							
	°C	20	30	40	50	60	70	80
	°F	68	86	104	122	140	158	176
RD..	1	1	1	1	1	1	1	n/a
	5	5	5	5	5	5	5	n/a
RA..L RA..T	10	10	10	10	10	10	9.5	n/a
	25	23	22	19.5	16.5	14	9.5	n/a
RA..	25	25	25	23	19	15.5	11.5	n/a
	50	37	34.5	29.5	24.5	19.5	14.5	n/a
	90	46.5	43.5	37	30.5	24	17.5	n/a
	110	52	48.5	41	33.5	26.5	19	n/a
RA60..	50	36.5	34.5	29.5	24.5	20	15	n/a
RA2A..*	25	24.5	23	19.5	15.5	11.5	7.5	n/a
	40	27.5	26	21.5	16.5	12	8	n/a
	25M	24.5	23	19.5	15.5	11.5	7.5	n/a
	40M	28	26	21.5	16.5	12	8	n/a
RS1A..	10	10	10	10	8.5	6.5	4.5	n/a
	25	25	25	25	24	18.5	12.5	n/a
	40	40	40	33	26.5	19.5	13	n/a
RS1A..E	25	19.5	18	16	13.5	11.5	9	n/a
	40	22.5	21	18.5	15.5	13	10.5	n/a
RM1A.. RM1B.. RM1C..	25	25	25	25	24	18.5	12.5	n/a
	50	43.5	40	33	26.5	19.5	13	n/a
	75	51.5	47.5	39	31	23	15.5	n/a
	100	56.5	52	42.5	33.5	24.5	16.5	n/a
RM1A60.. RM1B60.. RM1C60.. RM1E60..	50	41	39	33.5	27	20.5	14	n/a
RAM1A.. RAM1B.. RM1E..	25	25	25	25	24	18.5	12.5	6.5
	50	43.5	40	33	26.5	19.5	13	7
	75	51.5	47.5	39	31	23	15.5	8
	100	51.5	47.5	39	31	23	15.5	8
	125	56.5	52	42.5	33.5	24.5	16.5	8.5
RGS1..E	25	25	25	25	25	25	21	16.5
	50	48	45.5	40	35	29.5	24.5	19
	51	46.5	44.5	39.5	34.5	29.5	24.5	19.5
	75	53.5	50.5	44.5	38.5	32.5	26.5	20.5
	90 91 92	56.5	53.5	47.5	41	34.5	28.5	22
RGS1..U	20	20	20	20	20	20	20	16.5
	30	30	30	30	30	29.5	24.5	19
RGS1S..E	20	23	23	23	23	23	21	n/a
	30	30	30	30	30	29.5	24.5	n/a
	31	30	30	30	30	30	28.5	n/a
	92	56.5	53.5	47.5	41	34.5	28.5	n/a
RGS1S..U	61	56.5	53.5	47.5	41	34.5	28.5	n/a
RGS1D..	15	15	15	15	15	15	14	11.5
	25	25	25	22.5	19.5	17	14	11.5

* per pole

1x 1-phase SSR	Surrounding temperature							
	°C	20	30	40	50	60	70	80
	°F	68	86	104	122	140	158	176
RD..	1	1	1	1	1	1	1	n/a
	5	5	5	5	5	5	5	n/a
RA..L RA..T	10	10	10	10	10	10	9.5	n/a
	25	21	20	17.5	15	12.5	9.5	n/a
RA..	25	25	24.5	21.5	18	14.5	11	n/a
	50	33.5	31.5	27	22.5	18	13	n/a
	90	41	38	32.5	27	21.5	16	n/a
	110	45	42	35.5	29.5	23	17	n/a
RA60..	50	33.5	31.5	27	22.5	18	13.5	n/a
RA2A..*	25	22.5	21.5	19	15.5	11.5	7.5	n/a
	40	25.5	24	21	17	12.5	8	n/a
	25M	22.5	21.5	19	15.5	11.5	7.5	n/a
	40M	25.5	24.5	21.5	17	12.5	8	n/a
RS1A..	10	10	10	9.5	8	6.5	4.5	n/a
	25	25	25	25	21	16	11	n/a
	40	37	34	28.5	23	17	11.5	n/a
RS1A..E	25	17.5	16.5	14.5	12.5	10	8	n/a
	40	20	18.5	16.5	14	11.5	9.5	n/a
RM1A.. RM1B.. RM1C..	25	25	25	25	21	16	11	n/a
	50	37	34	28.5	23	17	11.5	n/a
	75	43	39.5	33	26.5	19.5	13.5	n/a
	100	46.5	43	35.5	28	21	14	n/a
RM1A60.. RM1B60.. RM1C60.. RM1E60..	50	37	34.5	29	23.5	18	12	n/a
RAM1A.. RAM1B.. RM1E..	25.0	25	25	25	21	16	11	6
	50.0	37	34	28.5	23	17	11.5	6.5
	75.0	43	39.5	33	26.5	19.5	13.5	7
	100.0	43	39.5	33	26.5	19.5	13.5	7
	125.0	46.5	43	35.5	28	21	14	7.5
RGS1..E	25	25	25	25	24.5	21	17.5	14
	50	39	37	32.5	28.5	24.5	20	16
	51	38.5	36.5	32.5	28.5	24.5	20.5	16
	75	43.5	41.5	36.5	32	27	22	17.5
	90 91 92	46.5	44	39	34	28.5	23.5	18.5
RGS1..U	20	20	20	20	20	20	17.5	14
	30	30	30	30	28.5	24.5	20	16
RGS1S..E	20	23	23	23	23	21	17.5	n/a
	30	30	30	30	28.5	24.5	20	n/a
	31	30	30	30	30	28.5	23.5	n/a
	92	46.5	44	39	34	28.5	23.5	n/a
RGS1S..U	61	46.5	44	39	34	28.5	23.5	n/a
RGS1D..	15	15	15	15	15	13.5	11	9
	25	20.5	19.5	17.5	15.5	13.5	11	9

Recommended Maximum Current Rating (per SSR)

Thermal interface = Thermal compound, **HTS02S**
Ratings per pole

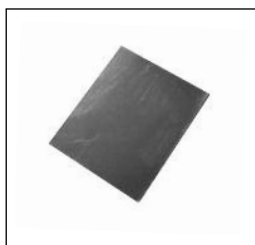
1x 3-phase SSR	Surrounding temperature							
	°C	20	30	40	50	60	70	80
	°F	68	86	104	122	140	158	176
RZ3A..	25	19	17.5	14.0	11	7.5	4.5	2
	55	22.5	20.5	17	13.5	10	6.5	3.5
	75	26.5	24.5	20.5	16.5	12.5	9	5.5

Thermal interface = Thermal pad, **RZHT**

1x 3-phase SSR	Surrounding temperature							
	°C	20	30	40	50	60	70	80
	°F	68	86	104	122	140	158	176
RZ3A..	25	17.5	16.5	14	11	8	5	2
	55	23.5	21.5	17.5	14	10	7	3.5
	75	27	25	20.5	16.5	13	9	5.5

Accessories

Thermal Pads

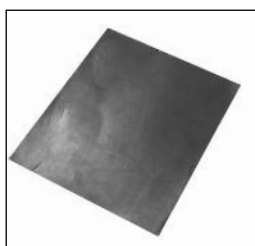


- Ordering key: **KK071CUT**
- Packing qty. 50 pcs.
- Suitable for 1-phase SSRs
- Dimensions: 35 x 43mm



- Ordering key: **RGHT**
- Packing qty. 10 pcs.
- Suitable for RG SSRs
- Dimensions: 14 x 35mm

Thermal Compound



- Ordering key: **RZHT**
- Packing qty. 10 pcs.
- Suitable for 3-phase SSRs
- Dimensions: 70 x 77mm



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

Screw Kits



- Ordering key: **SRWKITM5X10MM**
- M5x10mm PZ2 screws + washers
- Packing qty. 20pcs.
- Suitable for 1-phase SSRs



- Ordering key: **SRWKITM5X30MM**
- M5x30mm Torx T20 screws + washers
- Packing qty. 20pcs.
- Suitable for RG SSRs