



- » DC solid state relay.
- » Input range: 3 - 15 VDC.
- » Maximum load current (AC1 at 25° C): 25, 40, 60, 80A.
- » Operational ratings: 12 - 600 VDC.
- » LED indicator.
- » Clip on protective cover for greater safety (IP 20).

References

Control voltage	Operational current	Reference	Reference heat sink
3 - 15 VDC	25 A	RS1D0P015DC600025D	RSH-061
	40 A	RS1D0P015DC600040D	RSH-036
	60 A	RS1D0P015DC600060D	RSH-038
	80 A	RS1D0P015DC600080D	RSH-038

Over 10 A load a heat sink must be used. The use of a heat sink will make the lifetime of the relay up to four times longer, even when using it with load currents lower than 10 A.

General specifications

Dielectric insulation (between input & output)	1,500 VDC
Operating temperature	-40 °C to 80 °C
Storage temperature	-45 °C to 85 °C
Rth junction to case	2,5° C/W (25 A) 0,65° C/W (60 A) 0,5° C/W (80 A)
Ambient humidity	Operating: up to 85 %
CE marking	Yes

Input specifications

Control voltage range	3 - 15 VDC
Input current (max)	2/30mA@= 3 V/15 V
Pick-up voltage	1,5 VDC
Drop-out voltage	1,5 VDC
Maximum reverse voltage	15 VDC
Max. response time pick-up	5ms
Max. response time drop-out	0,2ms

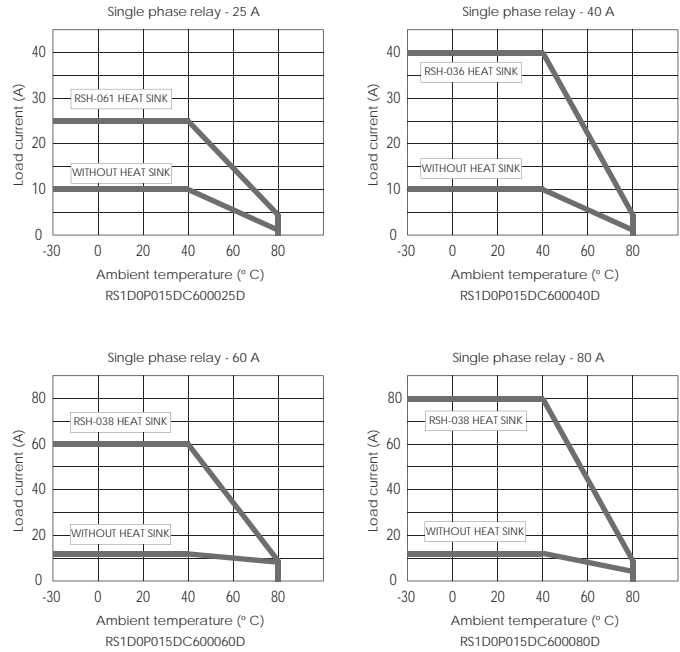
Output specifications

Maximum load current (AC51 @ Ta = 25° C)	25, 40, 60, 80A
(AC53a @ Ta = 25° C)	5, 10, 15, 18A
Load voltage range	12 - 600 VDC
Maximum off state leakage current	1mA
Minimum off state dv / dt	200V / µseg
Maximum on state voltage	1,4 VDC
Minimum load current	0,1A

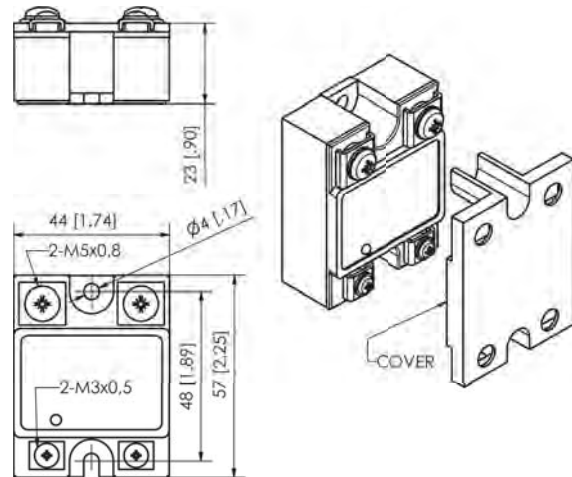
Housing specifications

Dimensions (L x W x H mm)	60 x 45 x 22
Weight	150gr max.
Baseplate	Aluminum, nickel-plated
Control terminal (M3x6) torque	1,2Nm
Power terminal (M5x9) torque	2,4Nm

Load current vs. ambient temperature



Dimensions (mm-inch)



Diagrams

