

- » 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

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|--|--|
| 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 |

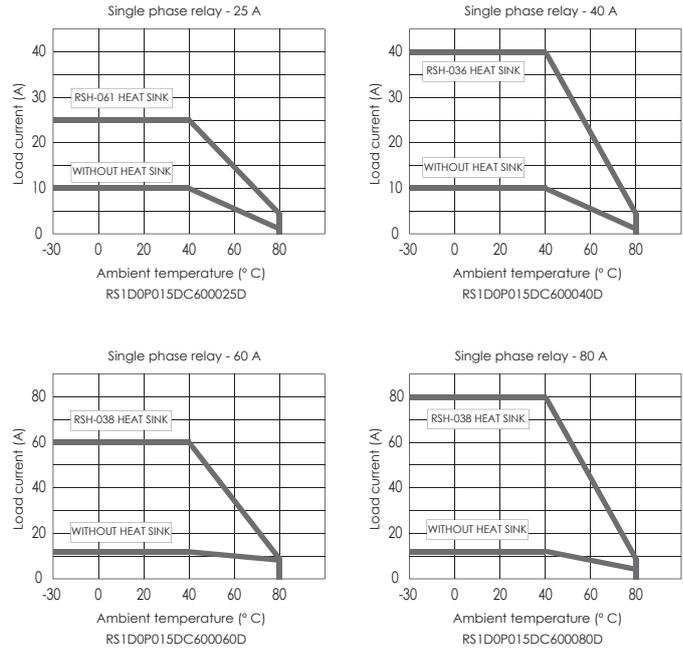
Output specifications

| | |
|--|-----------------|
| 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 |

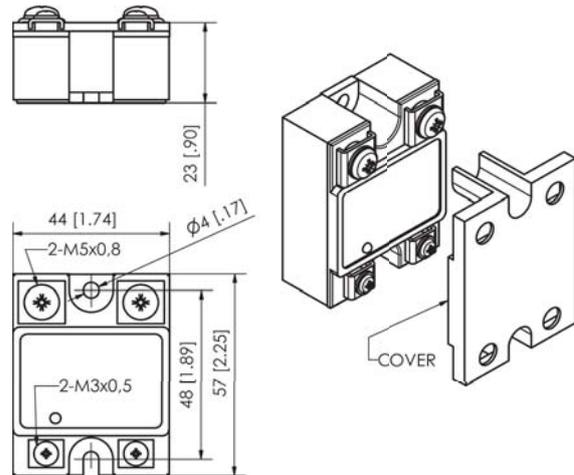
Housing specifications

| | |
|--------------------------------|-------------------------|
| 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

