

Features

- DC to DC solid state relay
- 5-32 Vdc input
- Maximum load from 10 to 120A
- Maximum load voltage: 60, 110 or 220 Vdc
- LED process indicator
- Panel mount
- MOSFET triggering
- All models have the same physical size
- Fast response and no noise
- Compact size
- This solid state relay is ideal for heating and cooling applications



Product photo

Ordering information

MS - 1 2 3

1: Type of solid state relay
DD DC to DC input, 5-32 Vdc

2: Maximum load voltage
60¹ 60 Vdc
120 120 Vdc
220 220 Vdc

3: Maximum load current
10 10 A
25 25 A
40¹ 40 A
60 60 A
80 80 A
100 100 A
120 120 A

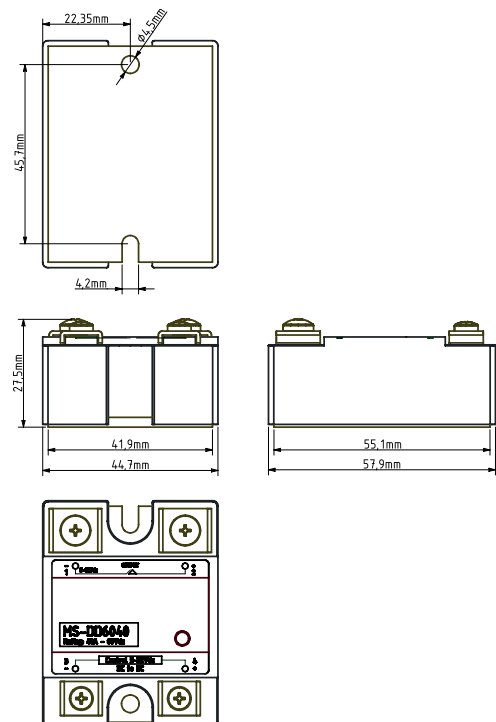
¹ Standard stock model

Specifications*

| | | |
|-----------------------|---|----------------------------|
| Max. load voltage | : | 60 Vdc, 110 Vdc or 220 Vdc |
| Control voltage | : | 5 - 32 Vdc |
| Control current | : | 5 - 50 mA |
| On voltage drop | : | < 1,5 V |
| Off leakage current | : | < 2 mA |
| On - Off time | : | < 10 ms |
| Dielectric strenght | : | 2000 VAC |
| Insulation resistance | : | 500 MOhm / 500 Vdc |
| Ambient temperature: | : | -30°C / +75°C |
| Process indicator | : | LED |
| Weight | : | 0,1 kg |
| Mounting methode | : | Chassis mount |

Guidelines on the usage of a solid state relay

- 1) This series of SSR's is suitable for small resistive loads in i.e. heating applications and for inductive loads such as valve control.
- 2) The SSR must always be mounted on a heat sink regardless of the load current. In some cases (very low load) natural convection might be sufficient while under harsh conditions (high load) forced air cooling may be needed.
- 3) A fast acting fuse must be used to protect the SSR from overload.
- 4) Thermal conductive grease or pad must be applied to the bottom of the SSR to optimise the heat conduction to the heat sink.



* All specifications are subject to change without notice.