

SSRD

- SINGLE-PHASE SOLID STATE RELAY WITH BUILT-IN HEATSINK
- ZERO-CROSSING SWITCHING
- COMPACT SIZE



FEATURES

PRODUCT DESCRIPTION

SSRD (RG)

This new range of solid-state contactors represents a unique opportunity to maximize panel efficiency by ensuring a minimum footprint.

The latest technologies contained in our semiconductor, allow a compact design with standard characteristics at 40°C.

The smaller version 17.5 mm guarantees 20 ACA.

The power terminals and control ensure a secure fixing.

Overvoltage protection with integrated varistor.

The below technical specifications are referred to an ambient temperature of 25°C.

INPUT

| | |
|-------------------------|---|
| Control voltage | 4... 32 VDC or 5... 32 VDC for 85 A version |
| Maximum reverse voltage | 3.8 VDC or 5 VDC for 85 A version |
| OFF voltage | 1 VDC |
| Response time from ON | 1/2 cycle + 500 µs @ 24 VDC |
| Response time from OFF | 1/2 cycle + 500 µs @ 24 VDC |

OUTPUT

| | |
|--------------------------------------|---|
| Rated current AC 51 a T=25°C | 20... 85 ACA depending on the model |
| Minimum operating current | 150... 400 mA depending on the model |
| Non-repetitive overcurrent t = 10 ms | 325... 1150 Ap depending on the model |
| Maximum leakage current | 3 mA |
| I ² t fusion t = 10 ms | 525... 6600 A ² s depending on the model |
| Critical switching dv / dt | 1000 V/µs |

GENERAL

| | |
|--------------------------------|--|
| Rated voltage | 600 V |
| Non-repetitive voltage | 1200 V _p |
| Rated frequency | 45... 65 Hz |
| Power factor | > 0.5 @ V rated |
| Weight | Approx. 260g |
| Connections | Screw/ Plug-in clamp |
| Operating Temperature/ storage | -40... +80°C (-40... +176°F)/-40... +100°C (-40... +212°F) |
| Certifications and Compliance | CE, UL, cUL listed, VDE |

HOW TO ORDER

| CODE | DESCRIPTION |
|----------------------------------|--|
| SSRD 60020K (RGC 1A60D15KKE) | 600V-20A-4... 32 VDC- Screw connection |
| SSRD 60023K (RGC 1A60D20KKE) | 600V-23A-4... 32 VDC- Screw connection |
| SSRD 60030K (RGC 1A60D30KKE) | 600V-30A-4... 32 VDC- Screw connection |
| SSRD 60040K (RGC 1A60D40KGE) | 600V-40A-4... 32 VDC- Screw connection+ Plug-in clamp |
| SSRD 60060K (RGC 1A60D60KGE) | 600V-60A-4... 32 VDC- Screw connection+ Plug-in clamp |
| SSRD 60085K (RGC 1A60D90GGEP) | 600V-85A-5... 32 VDC- Plug-in clamp with overcurrent protection |

DIMENSIONS

