



SSR40R3 SOLID STATE RELAY

FOR LARGE INDUSTRIAL APPLICATION, NPC,TPC,
HPC, POWER DISTRIBUTION, PETROLEUM, CHEMICAL
AND OTHER PROCESSES.



APPLICATIONS

SSR40R3 is 3-phase, reversible, On/Off, zero cross, solid state relay, suitable for AC power switching. They can be used as static relays, heating regulation, water heaters, induction motor starting circuits.

SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS

- Max permanent current (80°C) - **40A**
- Non repetitive surge peak:
 - F=60 Hz/16.7 mS – **420 A.**
 - F=50 Hz/20 mS – **400 A.**
 - F=50 Hz/10 mS – **800 A**
- Critical rate of rise of on-state current,
F = 120Hz, T=120oC - **50 A/ μS.**
- Nom. operating voltage –**230&400V/AC**
- Max voltage range – **460 V/AC**
- Storage temperature range **-40÷150°C.**
- Operate temperature range **-40÷125°C**

DISPLAY

- Integrated LED per every control input

CONTROL INPUTS

- F & R control inputs – working diagram
 - Activated F&R – relay is not active.
 - No activated F&R – relay is not active.
 - Activated F – relay is active.

- Activated R – relay is active.
- Input voltage – 10...30 V DC
- Operating current - 5÷10 mA
- Respond time – 20 mS
- Time between reverse – 100ms

CONNECTIONS

Input/Output Terminals

- Terminal block main voltage RST.
 - Max. Voltage – 690 V/ AC.
 - Max. Current – 32 A /AC.
 - 4 mm²
- Terminal block operating inputs.
 - Max. Voltage – 250 V/ AC.
 - Max. Current – 16 A /AC.

MECHANICAL

Mounting

- Size without radiator - 80 x 100 x 40
- Size with radiator – 80 x 100 x 125
- Mounting – DIN rail.

Weight

- Without radiator – 0.3 kg
- With radiator – 0.8 kg

ENVIRONMENT

Operating Temperature Range:

- -10 to 125 °C

Humidity:

- 0-60% RH without condense

Fast Transient:

- IEC-61000-4-4

Surge Immunity:

- IEC-61000-4-5

EMI/RFI/ESD,:

- IEC-61000-4-6, 4-11, 4-2
- IEC-61326

Isolation:

- 2500 V between inputs and radiator

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