



# POTTER & BRUMFIELD SOLID STATE RELAYS

## Three Phase SSR3 Series

TE Connectivity (TE)'s Potter & Brumfield Solid State Relays (SSR) are featured in Industrial applications, where silent, fast and long electrical life in switching is required. SSR3 series will add a three phase relay option to our SSR range of products. Which is three individual single phase solid state relays packaged in a single housing, having a common input, to energize each SSR simultaneously. With load ratings ranging from 10 up to 75 Amps at 480VAC, SSR3 series has a unique wide range of part numbers including its AC and DC input options. This will offer customers an option to reduce the wiring complexities, assembly time reduction and space utilization especially in applications where the three phase loads are to be operated.

### BENEFITS

- Provides a compact, space saving solution in the panel
- Removes the wiring complexities within a panel
- Addition of panel mountable option expands product portfolio
- Ability to switch various load options
- Reduces assembly time

# Potter & Brumfield Solid State Relays Three Phase SSR3 Series

## APPLICATIONS

- Blow molding machines
- Coffee machines
- Conveyor trolley
- Industrial furnaces
- Motor control
- Plastic injection machines

## ELECTRICAL

- Input voltage: 90-280VAC & 4-32VDC
- Output load: 10, 16, 25, 40, 50 & 75 AMP
- Load voltage: 48-480VAC

## MECHANICAL

- Relay mounting type: panel mount
- IP20 safety cover

## MATERIALS

- UL 94-V0 grade engineering plastics

## SPECIFICATIONS

- UL approval: E29244
- CE certification

## PRODUCT INFORMATION

| Type                                   | Output Load | Load Voltage | Part Code     | Part Number                 |
|--|-------------|--------------|---------------|-----------------------------|
| SSR3 SERIES-SCR, Panel Mount, AC i/p   | 40A         | 480V         | SSR3S-480A40  | <a href="#">2345984-7</a>   |
| SSR3 SERIES-SCR, Panel Mount, AC i/p   | 50A         |              | SSR3S-480A50  | <a href="#">2345984-8</a>   |
| SSR3 SERIES-SCR, Panel Mount, AC i/p   | 75A         |              | SSR3S-480A75  | <a href="#">2345984-9</a>   |
| SSR3 SERIES-SCR, Panel Mount, DC i/p   | 40A         |              | SSR3S-480D40  | <a href="#">1-2345984-5</a> |
| SSR3 SERIES-SCR, Panel Mount, DC i/p   | 50A         |              | SSR3S-480D50  | <a href="#">1-2345984-6</a> |
| SSR3 SERIES-SCR, Panel Mount, DC i/p   | 75A         |              | SSR3S-480D75  | <a href="#">1-2345984-7</a> |
| SSR3 SERIES-SCR, Panel Mount, R-DC i/p | 40A         |              | SSR3S-480D40R | <a href="#">2-2345984-1</a> |
| SSR3 SERIES-SCR, Panel Mount, R-DC i/p | 50A         |              | SSR3S-480D50R | <a href="#">2-2345984-2</a> |

| Type                                   | Output Load | Load Voltage | Part Code     | Part Number                 |
|--|-------------|--------------|---------------|-----------------------------|
| SSR3 SERIES-TRI, Panel Mount, AC i/p   | 10A         | 480VAC       | SSR3T-480A10  | <a href="#">2345984-1</a>   |
| SSR3 SERIES-TRI, Panel Mount, AC i/p   | 16A         |              | SSR3T-480A16  | <a href="#">2345984-2</a>   |
| SSR3 SERIES-TRI, Panel Mount, AC i/p   | 25A         |              | SSR3T-480A25  | <a href="#">2345984-5</a>   |
| SSR3 SERIES-TRI, Panel Mount, AC i/p   | 40A         |              | SSR3T-480A40  | <a href="#">2345984-6</a>   |
| SSR3 SERIES-TRI, Panel Mount, DC i/p   | 10A         |              | SSR3T-480D10  | <a href="#">1-2345984-1</a> |
| SSR3 SERIES-TRI, Panel Mount, DC i/p   | 16A         |              | SSR3T-480D16  | <a href="#">1-2345984-2</a> |
| SSR3 SERIES-TRI, Panel Mount, DC i/p   | 25A         |              | SSR3T-480D25  | <a href="#">1-2345984-3</a> |
| SSR3 SERIES-TRI, Panel Mount, DC i/p   | 40A         |              | SSR3T-480D40  | <a href="#">1-2345984-4</a> |
| SSR3 SERIES-TRI, Panel Mount, R-DC i/p | 10A         |              | SSR3T-480D10R | <a href="#">1-2345984-9</a> |
| SSR3 SERIES-TRI, Panel Mount, R-DC i/p | 25A         |              | SSR3T-480D25R | <a href="#">2-2345984-0</a> |

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