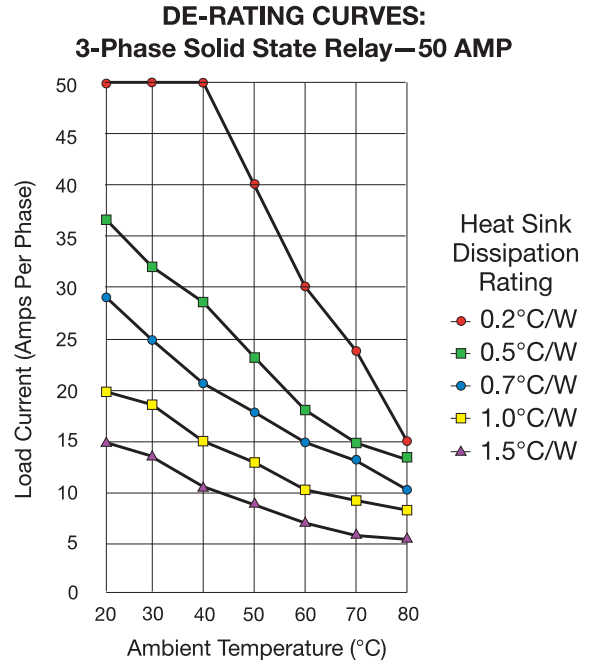
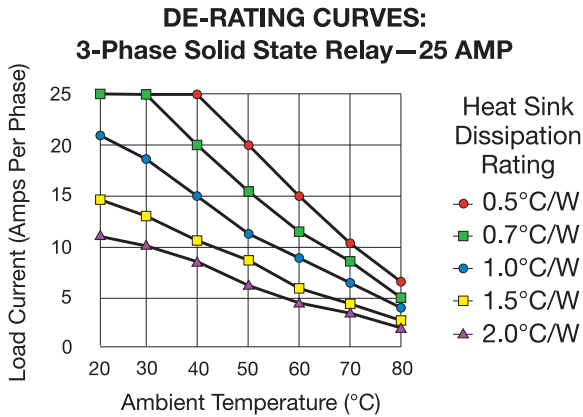


De-Rating Curves for 3-Phase Solid State Relays



Solid state relay de-rating curves are used to determine the actual current the relay is capable of carrying vs. the ambient temperature in the enclosure. It also indicates the heat sink required to dissipate the heat the relay produces at the ambient temperature. Failure to dissipate the internally generated heat will result in solid state relay failure.



“Power Pack” DIN Rail Mount Solid State Relay Modules

The **Power Pack** combines in one easy-to-use compact package the traditional hockey puck style solid state relay and required heat sink. This combination eliminates having to mount the SSR to a separate heat sink. It also incorporates the finger-safe cover into the housing’s design. Each Power Pack takes up much less room than the standard SSR and heat sink combination.

Design Features

- * Self-Contained Solid State Relay and Heat Sink
- * Standard 35mm DIN Rail or Panel Mount
- * 1-phase Units with Zero-Cross Firing Output
- * 3-Phase Units Control All 3 Phases
- * Current Ratings from 12 through 45 Amp
- * 3 Compact Sizes: 22.5mm, 45.0mm, and 90.0mm
- * Triac or Back-to-Back SCR Outputs
- * UL, cUL Recognized



Available from Stock

Standard Stock DIN Rail Relays

| Size | Output Current | Output Voltage | Control Input | Output Type | Max. Turn On Time | Max. Turn Off Time | Min. On State Cur. | Peak On Vol. drop | Part Number |
|---------------------------|----------------|----------------|---------------------------------------|-------------|---------------------------|---------------------------|-------------------------|-------------------|----------------------------------|
| One-Phase Models | | | | | | | | | |
| 22.5 mm | 10A | 24-280 VAC | 4-32 VDC | Triac | 8.33 mS | 8.33 mS | 19 mA | 1.5 Vpk | RLS80001 |
| | | | 90-140 VAC | | 20 mS | 30 mS | 23 mA | | RLS80005 |
| | | | 180-280 VAC | | 20 mS | 30 mS | 23 mA | | RLS80006 |
| | 20A | 48-600 VAC | 4-32 VDC | B/B SCR | 8.33 mS | 8.33 mS | 19 mA | 1.35 Vpk | RLS80003 |
| | | | 90-140 VAC | | 20 mS | 30 mS | 23 mA | | RLS80007 |
| | | | 180-280 VAC | | 20 mS | 30 mS | 23 mA | | RLS80008 |
| 30A | 48-600 VAC | 4-32 VDC | B/B SCR | 8.33 mS | 8.33 mS | 19 mA | 1.35 Vpk | RLS80009 | |
| | | 90-140 VAC | | 20 mS | 30 mS | 23 mA | | RLS80010 | |
| | | 180-280 VAC | | 20 mS | 30 mS | 23 mA | | RLS80011 | |
| 45.0 mm | 35A | 48-660 VAC | 4-32 VDC | B/B SCR | 8.33 mS | 8.33 mS | 19 mA | 1.35 Vpk | RLS80101 |
| | | | 90-140 VAC | | 20 mS | 30 mS | 23 mA | | RLS80103 |
| | | | 180-280 VAC | | 20 mS | 30 mS | 23 mA | | RLS80104 |
| | 45A | 48-660 VAC | 4-32 VDC | B/B SCR | 8.33 mS | 8.33 mS | 19 mA | 1.35 Vpk | RLS80105 |
| | | | 90-140 VAC | | 20 mS | 30 mS | 23 mA | | RLS80106 |
| | | | 180-280 VAC | | 20 mS | 30 mS | 23 mA | | RLS80107 |
| Three-Phase Models | | | | | | | | | |
| 90.0 mm | 25A | 48-660 VAC | 4-32 VDC 90-140 VAC 180-280 VAC | B/B SCR | 8.33 mS 20 mS 20 mS | 8.33 mS 30 mS 30 mS | 19 mA 23 mA 23 mA | 1.35 Vpk | RLS80201 RLS80203 RLS80204 |