Single Phase Solid State Relay

This single-phase solid-state relay is a semiconductor device that uses solid-state components to switch AC loads. It provides efficient switching for resistive, inductive, and capacitive loads.

Product Overview

High-Performance Solid State Relay

This single-phase solid-state relay utilizes semiconductor technology to provide high-speed, reliable switching for AC loads. Designed for longevity and reduced electromagnetic interference, it is an efficient alternative to traditional electromechanical relays. The unit features built-in LED status indication and a compact, durable housing suitable for diverse industrial automation applications.

Key Performance Metrics

Core Specifications

50 A	2500 VAC	132 g
Rated Load Current	Dielectric Strength	Weight

Electrical Ratings

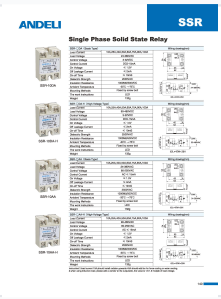
Voltage Specifications

Parameter	Range
Input Control Voltage	3-32VDC
Output Load Voltage (Standard)	24-380VAC
Output Load Voltage (High-Voltage)	90-480VAC

Switching Characteristics

- On-off Time: < 10mS
- On Voltage Drop: < 1.5V
- Off Leakage Current: < 2mA
- Control Current: DC 5-15mA

Environmental and Physical



Technical layout and mounting dimensions for the SSR series.

Operating Environment	-30°C to +75°C, Screw bolt mounting, LED indication
Dimensions	62L x 45W x 26H (mm)

Certifications

Standards

CE Certified