

# Three-Phase Solid State Relay

This three-phase solid-state relay is designed for switching AC loads. It provides reliable and efficient switching for various industrial applications, offering a long lifespan and reduced maintenance.



## ADDITIONAL IMAGES



## Overview

### Three-Phase Solid State Relay

The MJGX series three-phase solid-state relays are engineered for reliable AC load switching in demanding industrial environments. These units feature flexible control voltage options, low on-voltage, and minimal off-leakage current to ensure efficient power management. Designed for durability, they offer high dielectric strength and wide operating temperature tolerance, making them suitable for precise control applications requiring high switching speeds.

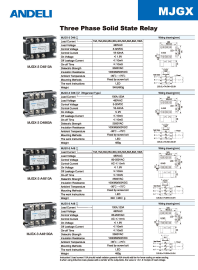
## Electrical Specifications

Load Voltage Range	90-480VAC
DC Control Voltage	3-32VDC
AC Control Voltage	80-250VAC
Dielectric Strength	2500 VAC
Insulation Resistance	1000M $\Omega$ /500DC

## Performance Metrics

On-off Time	< 10mS
Off Leakage Current	< 10mA
On Voltage	< 2V

## Environmental & Mechanical



Dimensional drawing and wiring configuration for MJGX series three-phase solid-state relays.

Ambient Temperature	-30°C to +75°C
Mounting Method	Fixed by screw bolt
Available Current Ratings	10A, 15A, 20A, 25A, 30A, 40A, 50A, 60A, 80A, 100A, 120A

## Installation Guidelines

### Installation Requirements

- 10A models require a radiator.
- Models above 40A require an additional fan for forced cooling or water cooling.
- For inductive loads, install a varistor at the output side (1.6-1.9x load voltage).