

KYOTTO KL20 SERIES

Single-Phase AC Solid State Relays (SSR)

Datasheet

Brand: KYOTTO

Website: www.cb-electronics.com

Series Overview

The KYOTTO KL20 Series is a family of single-phase AC-to-AC Solid State Relays (SSRs) designed for industrial heater control, temperature regulation, and general AC switching applications. The series features zero-cross switching for reduced electrical noise and improved load reliability.

Model Selection Guide

Model	Max Load Current	1-Cycle Peak Surge
KL20C10AX	10 A	100 A
KL20C15AX	15 A	160 A
KL20C25AX	25 A	260 A
KL20C40AX	40 A	Refer to application

General Specifications

Control Voltage	80–280 VAC
Load Voltage	24–280 VAC
Minimum Blocking Voltage	600 VAC
Maximum Off-State Leakage	< 5 mA
Frequency Range	47–70 Hz
Input Impedance	1.5 kΩ
Must Turn-Off Voltage	Max. 10 VAC
Switching Type	Zero Cross

Mechanical & Installation Information

Mounting	Panel mount
Housing	Industrial single-phase SSR package
Switching Method	Zero-cross switching
Cooling	For continuous high-current operation, mount the relay on a suitable aluminum heatsink such as the KYOTTO KH Series.
Applications	Industrial heaters, temperature controllers, ovens, AC power switching and automation systems.

Installation Notes

Zero-cross switching minimizes electrical noise and extends load life. Mount the relay securely to a flat metal surface or compatible heatsink. Use thermal compound between the relay base and heatsink for optimum heat transfer. Ensure adequate ventilation during continuous high-current operation.