

TeSys K Contactors and Overload Relays

Available up to 12A for AC3 and 20A for AC1 applications

Overview

A full range of miniature contactors and overload relays designed for light and general duty commercial applications. Horsepower ratings up to 7.5 at 480V and 10 at 600V. Contactors are available in 6, 9 and 12 amp versions.

Features

Built-in auxiliary contact

- 1 NO or 1 NC auxiliary provided standard
- Add-on blocks allow additional 4 contacts to be added

Flexible installation

- 35 mm DIN rail
- Direct panel mounting

3 terminal choices,

- Screw with saddle clamp
- Slip on tabs
- Solder pins

3 control choices

- AC coil
- DC coil
- DC low consumption

Wide variety of accessories

- Timers
- Auxiliary contact blocks
- Coil suppressors

IP20 finger safe terminals

Global Approvals

TeSys K contactors and overload relays are ideal for general duty applications where small size and reliability are key concerns. The special armature structure design allows all devices and all operating coils, either AC or DC, to have the same physical size and panel footprint for convenience. Devices are available with low consumption DC operating coils for direct connection to PLC circuits.



TeSys K Contactor Part Numbering

Offer	Non-Reversing	Reversing
AC	LC1K	LC2K
AC Silent	LC7K	LC8K
DC	LP1K	LP2K
DC Low Consumption	LP4K	LP5K



High-Fault SCCR's

Fuses

- 100 kA on systems up to 600 volts

Circuit Breakers

- 65 kA on systems up to 480 volts
- 25 kA on systems up to 600 volts



Applications

TeSys K contactors

- Turn electrical loads on and off, such as: small motors

TeSys K overload relays

- Protect electric motors from thermal overloads

TeSys K control relays

- Pass along or relay electrical signals as part of a logic scheme

Bimetallic Overload Relays

The TeSys K Class 10 bimetallic overload relays are ambient-compensated and include single-phase sensitivity for phase unbalance and phase loss protection. Five pins connect to the contactor load side terminals — three for the power circuit and two for the control circuit — which eliminates customer wiring for the 3-wire control holding circuit.

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