



SIEMENS

Ingenuity for life

Product Guide

Lighting Contactors

usa.siemens.com/controls



Siemens comprehensive line of lighting contactors offer a wide range of control solutions for lighting applications.

These contactors can be used individually for simple control schemes or as integral components in full-featured lighting control systems. They provide reliable and efficient means of local or remote switching of lighting as well as non-inductive loads. Rugged construction, heavy-duty ratings and a wide selection of control options and accessories makes the Siemens lighting contactors the right choice for your applications.

Typical applications include:

- Schools
- Hospitals
- Office buildings
- Industrial plants
- Hotels
- Shopping centers
- Airports
- Stadiums
- Resistive heaters

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Class LE electrically held lighting contactors

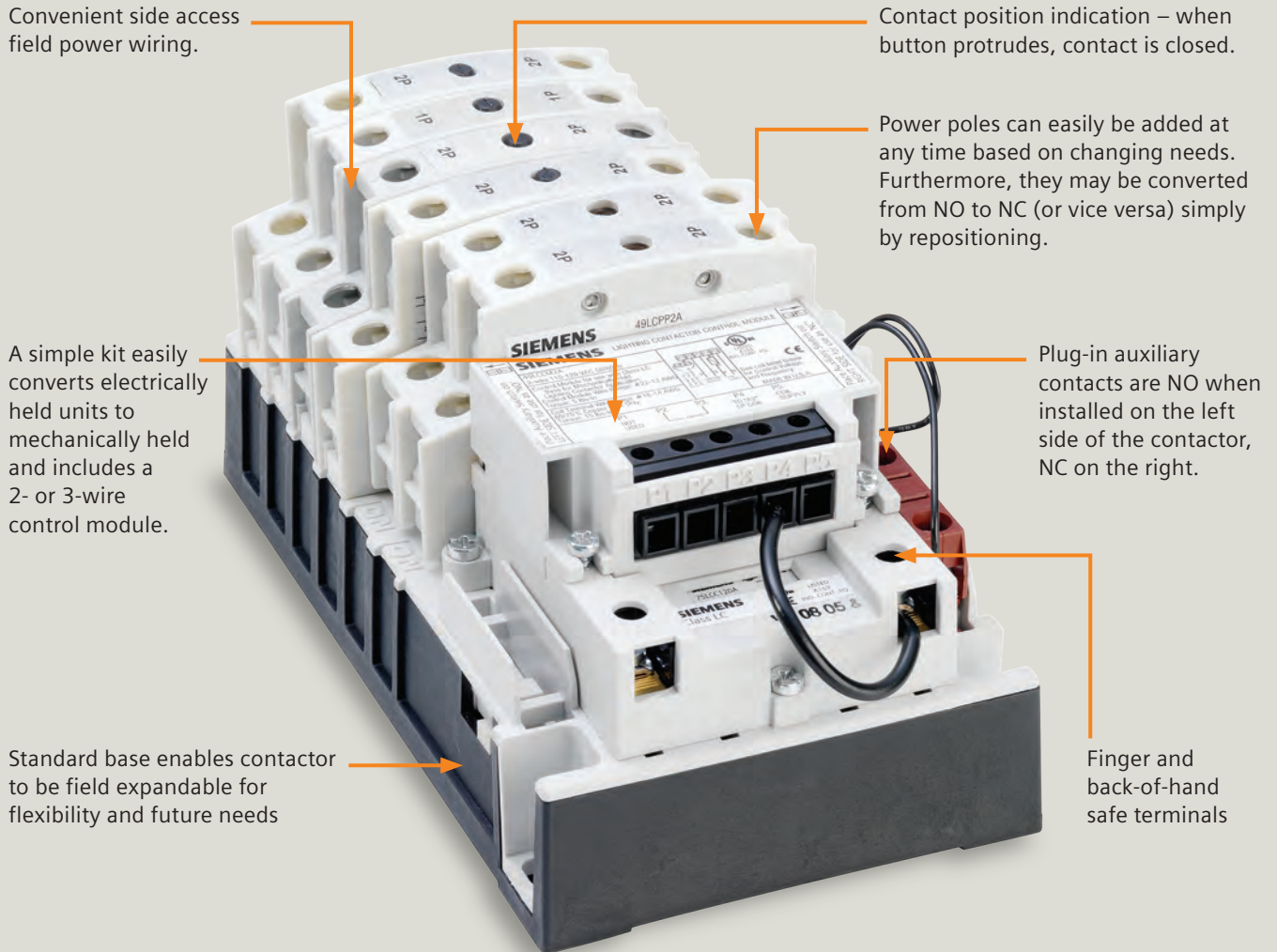
Simplicity and its compact lightweight design makes this product an attractive solution to your budgeting challenges.



- Used in applications where it is not critical that contacts remain closed if control power is lost
- Rated for tungsten lighting (incandescent filament), ballast lighting (fluorescent, HID, metal halide, mercury vapor, quartz halogen and sodium-lamp), resistive and general use loads
- Contacts are rated 20 - 400 amps at 600 volts
- 3 and 4 pole (up to 12 pole for 30 and 60 amp contactors)
- Most contactors have built-in auxiliary contacts for convenient 3-wire control
- Wide range of coil voltages from 24 to 600 VAC 50/60Hz
- Compact design allows for smaller panels and more wiring room
- Finger and back-of-hand safe terminals
- Panel and DIN rail mounting
- Full line of enclosures including NEMA 1, 3/3R, 4, 4/4X stainless steel and 12
- Available in combination form with choice of non-fusible disconnect, fusible disconnect or circuit breaker
- Full line of factory and field modifications

Class LC electrically held lighting contactors (convertible to mechanically held)

These lighting contactors deliver unprecedented versatility in application, simplicity in configuration and performance in operation. Ingenious design, rugged construction and a host of truly useful features make them uniquely appealing.



Convenient side access
field power wiring.

Contact position indication – when
button protrudes, contact is closed.

Power poles can easily be added at
any time based on changing needs.
Furthermore, they may be converted
from NO to NC (or vice versa) simply
by repositioning.

A simple kit easily
converts electrically
held units to
mechanically held
and includes a
2- or 3-wire
control module.

Plug-in auxiliary
contacts are NO when
installed on the left
side of the contactor,
NC on the right.

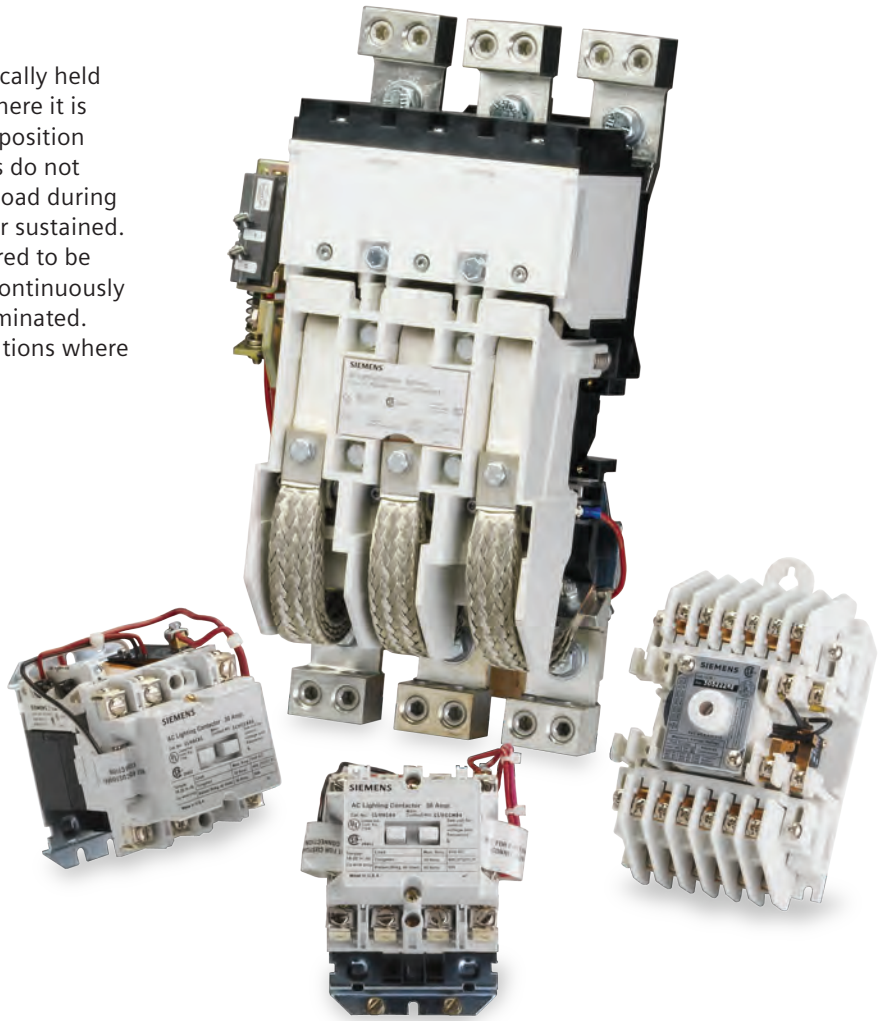
Standard base enables contactor
to be field expandable for
flexibility and future needs

Finger and
back-of-hand
safe terminals

- Used in all applications where either electrically or mechanically held contactors are specifically suited and also ideal for maximum flexibility and future expansion
- Rated for tungsten lighting (incandescent filament), ballast lighting (fluorescent, HID, metal halide, mercury vapor, quartz halogen and sodium-lamp), resistive and general use loads
- Contacts are rated up to 30 amps at 600 volts
- Up to 12 poles (maximum of 8 normally closed)
- Wide range of coil voltages from 24 to 600 VAC 50/60H
- Can be ordered as either electrically or mechanically held and can also be converted from electrically to mechanically held in the field with a simple conversion kit
- Modular design enables you to stock the building block components to assemble all configurations of both the electrically and mechanically held contactors thus dramatically reducing inventory
- Full line of enclosures including NEMA 1, 3/3R, 4, 4/4X stainless steel and 12
- Full line of factory and field modifications

Class CLM magnetically and mechanically held lighting contactors

Siemens Class CLM magnetically and mechanically held lighting contactors are used in applications where it is critical that the contacts remain in the closed position during loss of control power. These contactors do not change state and disconnect power from the load during a loss of control power whether momentary or sustained. That is because the operating coil is not required to be continuously energized. Since the coil is not continuously energized, energy is saved and coil hum is eliminated. This makes the contactor also ideal for applications where quiet operation is critical.



- Used in critical applications where the contacts must remain closed if control power is lost. Also used where energy efficient and quiet operation is desired.
- Rated for tungsten lighting (incandescent filament), ballast lighting (fluorescent, HID, metal halide, mercury vapor, quartz halogen and sodium-lamp), resistive and general use loads.
- Contacts are rated 20 - 400 amps at 600 volts.
- 2 - 12 pole configurations depending on contactor size.
- Wide range of coil voltages from 24 to 600 VAC 50/60Hz.
- Full line of enclosures including NEMA 1, 3/3R, 4, 4/4X stainless steel and 12.
- Available in combination form with choice of non-fusible disconnect, fusible disconnect or circuit breaker.
- Full line of factory and field modifications.

Enclosed controls

A comprehensive line of enclosures

Siemens offers enclosures for all sizes of contactors. They are designed to meet NEMA standards for most environments including: NEMA 1, 3/3R, 4, 4/4X stainless steel and 12.



Combination lighting contactors

Siemens combination lighting contactors provide disconnect means for lockout and maintenance as well as short-circuit protection. Furthermore, they are UL rated as Service Entrance Equipment permitting equipment to be pole mounted and installed directly off of utility power lines. This makes the product ideal to control lighting in remote locations such as sports facilities, parks, fair grounds, streets and highways. Also ideal for industrial and general area lighting.



Control options and accessories

Numerous control options and accessories are available to customize the product to your exact specification. Modifications are available as both factory installed and field kits to add flexibility. Nearly all these accessories are common for lighting contactors reducing cost of inventory. Some of the common options include:

- Auxiliary contacts
- Solid-state control module
- Off-On push buttons
- Off-On and Hand-Off-Auto selector switches
- Off and On pilot lights
- Control power transformers
- Control relays
- 24 hour and 7 day time clocks





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