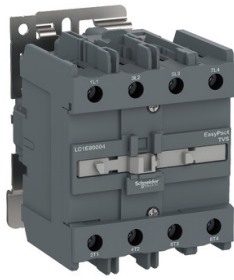


# Product datasheet

Specifications



## Easy TeSys contactor 4P CTR 60A AC1(2NO+2NC)415V 50Hz WB

LC1E80004F71N

### Main

Range	Easy TeSys
Range of product	Easy TeSys Control
Product or component type	Contactors
Device short name	LC1E
contactor application	Resistive load
Utilisation category	AC-1
poles description	4P
[Ue] rated operational voltage	Power circuit: $\leq 690$ V AC 50/60 Hz
[Ie] rated operational current	110 A (at $\leq 40$ °C) at $\leq 415$ V AC AC-1 for power circuit
[Uc] control circuit voltage	110 V AC 50/60 Hz

### Complementary

Pole contact composition	4 NO
[Ith] conventional free air thermal current	110 A (at 40 °C) for power circuit
Irms rated making capacity	800 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	640 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	640 A 40 °C - 10 s for power circuit 320 A 40 °C - 60 s for power circuit 135 A 40 °C - 600 s for power circuit
Associated fuse rating	160 A gG at $\leq 690$ V coordination type 1 for power circuit conforming to IEC 60947-5-1
Average impedance	0.8 mOhm - Ith 110 A 50 Hz for power circuit
Power dissipation per pole	5.1 W AC-3 9.7 W AC-1
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
Overvoltage category	III
Pollution degree	3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Mechanical durability	3000000 cycles
Electrical durability	350000 cycles AC-1 900000 cycles AC-3
Control circuit type	AC at 50/60 Hz
Control circuit voltage limits	0.85...1.1 Uc (-5...55 °C):operational 50/60 Hz 0.3...0.6 Uc (-5...55 °C):drop-out 50/60 Hz

<b>Inrush power in VA</b>	200 VA 50 Hz cos phi 0.75 (at 20 °C) 220 VA 60 Hz cos phi 0.75 (at 20 °C)
<b>Hold-in power consumption in VA</b>	22 VA 60 Hz cos phi 0.3 (at 20 °C) 20 VA 50 Hz cos phi 0.3 (at 20 °C)
<b>Heat dissipation</b>	6...10 W for control circuit
<b>Operating time</b>	20...35 ms on closing 6...30 ms on opening
<b>Maximum operating rate</b>	1200 cyc/h 60 °C
<b>Connections - terminals</b>	Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 4...50 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 4...16 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 4...50 mm <sup>2</sup> - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 4...50 mm <sup>2</sup> - cable stiffness: solid without cable end
<b>Tightening torque</b>	Control circuit: 1.2 N.m Power circuit: 12 N.m
<b>Insulation resistance</b>	> 10 MOhm for control circuit
<b>mounting support</b>	Plate DIN rail

## Environment

<b>Standards</b>	IEC 60947-5-1 IEC 60947-4-1
<b>IP degree of protection</b>	IP2X conforming to IEC 60529
<b>Protective treatment</b>	TH (pollution degree 3) conforming to IEC 60068
<b>Permissible ambient air temperature around the device</b>	-20...70 °C at Uc -60...80 °C storage -5...55 °C operation
<b>Operating altitude</b>	3000 m
<b>Fire resistance</b>	850 °C conforming to IEC 60695-2-1
<b>Mechanical robustness</b>	Vibrations contactor open (1.5 Gn, 5...300 Hz) Vibrations contactor closed (3 Gn, 5...300 Hz) Shocks contactor open (6 Gn for 11 ms) Shocks contactor closed (7 Gn for 11 ms)
<b>Height</b>	127 mm
<b>Width</b>	95 mm
<b>Depth</b>	120 mm
<b>Net weight</b>	1.6 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

<b>Package 1 Height</b>	13.5 cm
<b>Package 1 Width</b>	9.5 cm
<b>Package 1 Length</b>	12.7 cm
<b>Package 1 Weight</b>	1600 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	9.6 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	48
<b>Package 3 Height</b>	150 cm
<b>Package 3 Width</b>	60 cm
<b>Package 3 Length</b>	80 cm
<b>Package 3 Weight</b>	77.2 kg

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)

Offer Marketing Illustration

Product benefits / Features

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Easy TeSys Contactors  
Range Accessories

Mechanical interlock

Auxiliary contact block

Time delay auxiliary contact block

Terminal block

Suppressor module

The image displays a collection of six electrical accessories for Easy TeSys contactors. At the top left is a large three-phase contactor. Below it are: 1) Mechanical interlock: two black plastic components that interlock to prevent simultaneous closing of different contactors. 2) Auxiliary contact block: two black modules with multiple screw terminals for adding auxiliary contacts. 3) Time delay auxiliary contact block: a black module with a circular dial for setting a time delay. 4) Terminal block: a black component with multiple terminals for wiring. 5) Suppressor module: a tan-colored component used for suppressing contact arcing.

Offer Marketing Illustration

Product benefits / Features

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The image shows a Schneider Easy TeSys Contactor, a three-phase AC contactor. It is a dark grey plastic component with three main terminals on the top (labeled 1, 2, 3) and three on the bottom (labeled 4, 5, 6). A central control terminal is also visible. The Schneider logo and 'Easy TeSys Contactor' are printed on the side. The device is set against a green circular background.

### Easy TeSys Contactors

#### Technical Benefits

- 9 sizes cover common applications from 6 to 630A.
- Designed to meet the requirements of Electro-domestic and HVAC applications.
- Various Relay Coil Voltages: A.C.
- It can cover -5°C to 55°C working temperature and mounted by DIN-rail, No derating up to 3000m altitude.
- 2.2kW to 335kW (AC3/400V)
- Multi-standards certified (IEC, CCC, EAC) and Green Premium compliant (RoHs/Reach).

Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Contactors



**Designed for the essential**  
Deliver the best balance between performance and budget without any compromise on quality



**Easy to use**  
Easier to install and operate with multi-standard screws



**Cost-effective**  
Provides a cost-effective solution to a simple application

