

# Product datasheet

Specifications



## Easy TeSys contactor 4P(2NO + 2NC) 60A AC-1 up to 415V coil 415V AC 50Hz WB

LC1E65004F71N

### 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	85 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
Irms rated making capacity	650 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	520 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	520 A 40 °C - 10 s for power circuit 260 A 40 °C - 60 s 110 A 40 °C - 600 s
Associated fuse rating	125 A gG at $\leq 690$ V coordination type 1 for power circuit conforming to IEC 60947-5-1
Average impedance	1 mOhm - Ith 85 A 50 Hz for power circuit
Power dissipation per pole	4.2 W AC-3 6.4 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	5000000 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 U <sub>c</sub> (-5...55 °C):operational 50/60 Hz 0.3...0.6 U <sub>c</sub> (-5...55 °C):drop-out 50/60 Hz

<b>Inrush power in VA</b>	160 VA 50 Hz cos phi 0.75 (at 20 °C) 140 VA 60 Hz cos phi 0.75 (at 20 °C)
<b>Hold-in power consumption in VA</b>	15 VA 50 Hz cos phi 0.3 (at 20 °C) 13 VA 60 Hz cos phi 0.3 (at 20 °C)
<b>Heat dissipation</b>	6...10 W for control circuit
<b>Operating time</b>	20...26 ms on closing 8...12 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 2.5...25 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 2.5...10 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 2.5...25 mm <sup>2</sup> - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 2.5...16 mm <sup>2</sup> - cable stiffness: solid without cable end
<b>Tightening torque</b>	Control circuit: 1.2 N.m Power circuit: 5 N.m
<b>Insulation resistance</b>	> 10 MOhm for control circuit
<b>mounting support</b>	DIN rail Plate

## Environment

<b>Standards</b>	IEC 60947-4-1 IEC 60947-5-1
<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>	85 mm
<b>Depth</b>	125 mm
<b>Net weight</b>	1.3 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>	11 cm
<b>Package 1 Width</b>	8.5 cm
<b>Package 1 Length</b>	12.7 cm
<b>Package 1 Weight</b>	1300 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>	9.4 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

Reach Free Of Svhc

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Toxic Heavy Metal Free

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Mercury Free

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Rohs Exemption Information Yes

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## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

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**China Rohs Regulation** [China RoHS declaration](#)

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**Environmental Disclosure** [Product Environmental Profile](#)

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**Circularity Profile** [End of Life Information](#)

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Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Contactors

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**Designed for the essential**  
Deliver the best balance between performance and budget without any compromise on quality
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**Easy to use**  
Easier to install and operate with multi-standard screws
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**Cost-effective**  
Provides a cost-effective solution to a simple application



Offer Marketing Illustration

Product benefits / Features

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**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  
Range Accessories

Mechanical interlock

Auxiliary contact block

Time delay auxiliary contact block

Terminal block

Suppressor module

The image displays six different accessories for Easy TeSys contactors. At the top left is a large black contactor. Below it are: 1) Mechanical interlock: two black plastic components that interlock. 2) Auxiliary contact block: two black modules with multiple terminals. 3) Time delay auxiliary contact block: a black module with a circular dial. 4) Terminal block: a black component with several terminals. 5) Suppressor module: a tan-colored component with two terminals.