

Easy TeSys contactor 3P(3 NO) - AC-3 - <= 440 V 300A - 220 V AC coil

LC1E300M5

Main

Range	Easy TeSys	
Range of product	Easy TeSys Control	
Product or component type	Contactor	
Device short name	LC1E	
Contactor application	Motor control Resistive load	
Utilisation category	AC-3 AC-3e AC-1	
Poles description	3P	
[Ue] rated operational voltage	Power circuit: <= 690 V AC 50/60 Hz	
[le] rated operational current	300 A (at <55 °C) at <= 440 V AC AC-3 for power circuit 265 A (at <55 °C) at <= 440 V AC AC-3e for power circuit 320 A (at <40 °C) at <= 440 V AC AC-1 for power circuit	
[Uc] control circuit voltage	220 V AC 50 Hz	

Complementary

Motor power kW	90 kW at 220/230 V AC 50/60 Hz	
	160 kW at 380/400 V AC 50/60 Hz	
	160 kW at 415 V AC 50/60 Hz	
	185 kW at 440 V AC 50/60 Hz	
	200 kW at 500 V AC 50/60 Hz	
	220 kW at 660/690 V AC 50/60 Hz	
Pole contact composition	3 NO	
[lth] conventional free air thermal current	320 A (at 40 °C) for power circuit	
Irms rated making capacity	3000 A at 440 V AC for power circuit conforming to IEC 60947-4-1	
Rated breaking capacity	2400 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand current	2650 A 40 °C - 10 s for power circuit	
Associated fuse rating	10 A gG at <= 690 V coordination type 1 for control circuit conforming to IEC 60947-5-1	
	500 A gG at <= 690 V coordination type 1 for power circuit	
Average impedance	0.3 mOhm - Ith 320 A 50 Hz for power circuit	
Power dissipation per pole	27 W AC-3	
	31 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	8 kV coil not connected to the power circuit conforming to IEC 60947	
Mechanical durability	5000000 cycles	
Electrical durability	400000 cycles AC-1 500000 cycles AC-3	
Control circuit type	AC at 50 Hz	
Control circuit voltage limits	0.851.1 Uc (-555 °C):operational 50 Hz 0.350.55 Uc (-555 °C):drop-out 50 Hz	
Inrush power in VA	650 VA 50 Hz cos phi 0.9 (at 20 °C) 650 VA 60 Hz cos phi 0.9 (at 20 °C)	
Hold-in power consumption in VA	10 VA 50 Hz cos phi 0.9 (at 20 °C) 10 VA 60 Hz cos phi 0.9 (at 20 °C)	
Heat dissipation	8 W for control circuit	
Operating time	4065 ms on closing 100170 ms on opening	
Maximum operating rate	1200 cyc/h 55 °C	
Connections - terminals	Power circuit: cable with lug 1 14 mm² - external diameter: 240 mm - cable stiffness: flexible without cable end Power circuit: bars 2 14 mm² - cable stiffness: flexible without cable end - busbar cross section: 5 x 30 mm Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 12.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 14 mm² - external diameter: 240 mm - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable end - busbar cross section: 5 x 30 mm	
Tightening torque	Control circuit: 1.2 N.m Power circuit: 35 N.m	
Minimum switching voltage	17 V for control circuit	
Minimum switching current	5 mA for control circuit	
Insulation resistance	> 10 MOhm for control circuit	
Non-overlap time	1.5 ms on energisation guaranteed between NC and NO contact 1.5 ms on de-energisation guaranteed between NC and NO contact	
Mounting support	Plate	
Environment		
Standards	IEC 60947-1 IEC 60947-4-1 IEC 60947-5-1	
Product certifications	EAC CE	
IP degree of protection	IP00 conforming to IEC 60529	
Permissible ambient air temperature around the device	-2070 °C at Uc -6080 °C storage -555 °C operation	
Operating altitude	3000 m without derating	
Fire resistance	850 °C conforming to IEC 60695-2-1	

Mechanical robustness	Vibrations contactor open (1.5 Gn, 5300 Hz)	
	Vibrations contactor closed (3 Gn, 5300 Hz)	
	Shocks contactor open (6 Gn for 11 ms)	
	Shocks contactor closed (7 Gn for 11 ms)	
Height	206 mm	
Width	213 mm	
Depth	219 mm	
Net weight	8.5 kg	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.000 cm
Package 1 Width	25.500 cm
Package 1 Length	32.000 cm
Package 1 Weight	9.423 kg
Unit Type of Package 2	S06
Number of Units in Package 2	10
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	107.422 kg

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Total lifecycle Carbon footprint	3647
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant

Use Again

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Offer Marketing Illustration

Product benefits / Features



Easy TeSys Contactors Range Accessories







2000

Auxiliary contact block



Time delay auxiliary contact block



Terminal block



Suppressor module

Offer Marketing Illustration

Product benefits / Features

Easy TeSys Contactors

Technical Benefits



- 9 sizes cover common applications from 6A 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).

18 Aug 2025

Offer Marketing Illustration

Product benefits / Features

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

LC1E300M5

Technical Illustration

Assembly's dimensions

