

Contactor, Easy TeSys Control, LC1E, 3P(3NO), AC-3/ AC-3e, <=440V, 25A, 220V AC coil, 50/60Hz, 1NO auxiliary contact

LC1E2510M7

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	25 A (at <55 °C) at <= 440 V AC AC-3 for power circuit 25 A (at <55 °C) at <= 440 V AC AC-3e for power circuit 32 A (at <55 °C) at <= 440 V AC AC-1 for power circuit	
[Uc] control circuit voltage	220 V AC 50/60 Hz	

Complementary

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Motor power kW	5.5 kW at 220230 V AC 50/60 Hz	
	11 kW at 380400 V	
	11 kW at 415 V	
	11 kW at 440 V	
	15 kW at 500 V	
	15 kW at 660690 V	
Pole contact composition	3 NO	
[Ith] conventional free air thermal current	32 A (at 55 °C) for power circuit	
Irms rated making capacity	250 A at 440 V AC for power circuit conforming to IEC 60947-4-1	
Rated breaking capacity	200 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand	240 A 40 °C - 10 s for power circuit	
current	120 A 40 °C - 60 s for power circuit	
	50 A 40 °C - 600 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	
	40 A gG at <= 690 V coordination type 1 for power circuit	
Average impedance	2.5 mOhm - Ith 32 A 50/60 Hz for power circuit	
Power dissipation per pole	1.6 W AC-3	
	3.2 W AC-1	
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1	
Overvoltage category	III	

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

pollution degree	3	
[Uimp] rated impulse withstand voltage	6 kV coil not connected to the power circuit conforming to IEC 60947	
Mechanical durability	10000000 cycles	
Electrical durability	1200000 cycles AC-3 350000 cycles AC-1	
Control circuit type	AC at 50/60 Hz	
Control circuit voltage limits	0.851.1 Uc (-555 °C):operational 50/60 Hz 0.30.6 Uc (-555 °C):drop-out 50/60 Hz	
Inrush power in VA	95 VA 50 Hz cos phi 0.75 (at 20 °C) 95 VA 60 Hz cos phi 0.75 (at 20 °C)	
Hold-in power consumption in VA	8.3 VA 50 Hz cos phi 0.3 (at 20 °C) 8.5 VA 60 Hz cos phi 0.3 (at 20 °C)	
Heat dissipation	23 W for control circuit	
Operating time	1222 ms on closing 419 ms on opening	
Maximum operating rate	1800 cyc/h 60 °C	
Connections - terminals	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 1 14 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 1.56 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 16 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 16 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible with cable end	
Tightening torque	Control circuit: 1.2 N.m Power circuit: 1.5 N.m	
Auxiliary contact composition	1 NO	
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	DIN rail Plate	
Environment		
Standards	IEC 60947-1 IEC 60947-4-1 IEC 60947-5-1	
Product certifications	EAC CE	
IP degree of protection	IP2X conforming to IEC 60529	
Protective treatment	TH (pollution degree 3) conforming to IEC 60068-2-30 test Db	

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 closed (10 Gn for 11 ms) Shocks contactor open (6 Gn for 11 ms)	
Height	74 mm	
Width	45 mm	
Depth	85 mm	
Net weight	0.36 kg	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	7.600 cm
Package 1 Length	8.700 cm
Package 1 Weight	360.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	36
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	13.505 kg



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	324
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
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	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



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Product datasheet

LC1E2510M7

Technical Illustration

Assembly's dimensions



