Product datasheet

Specifications

Contactor,Easy TeSys Control,LC1E,4P(4NO),AC-1 125A, 240V

LC1E95004U7

Main

Range	Easy TeSys
Range of product	Easy TeSys Control
Product or component type	Contactor
Device short name	LC1E
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 50/60 Hz
[Ie] rated operational current	125 A (at <55 °C) at <= 440 V AC AC-1 for power circuit
[Uc] control circuit voltage	240 V AC 50/60 Hz

Complementary

Pole contact composition	4 NO
[Ith] conventional free air thermal current	125 A (at 55 °C) for power circuit
Irms rated making capacity	950 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	760 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	135 A 40 °C - 600 s for power circuit 800 A 40 °C - 10 s for power circuit 400 A 40 °C - 60 s for power circuit
Associated fuse rating	160 A gG at <= 690 V coordination type 1 for power circuit conforming to IEC 60947-5-1
Average impedance	0.8 mOhm - Ith 125 A 50 Hz for power circuit
Power dissipation per pole	7.2 W AC-3 12 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	900000 cycles AC-3 350000 cycles AC-1
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Inrush power in VA	200 VA 50 Hz cos phi 0.75 (at 20 °C) 220 VA 60 Hz cos phi 0.75 (at 20 °C)
Hold-in power consumption in VA	22 VA 60 Hz cos phi 0.3 (at 20 °C) 20 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat dissipation	6…10 W for control circuit
Operating time	20...35 ms on closing 6...30 ms on opening
Maximum operating rate	1200 cyc/h 60 °C
Connections - terminals	Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1…2.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 4…50 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 4…16 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 4…50 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 4…50 mm² - cable stiffness: solid without cable end
Tightening torque	Control circuit: 1.2 N.m Power circuit: 12 N.m
Insulation resistance	> 10 MOhm for control circuit
Mounting support	DIN rail Plate

Environment

Standards	IEC 60947-5-1 IEC 60947-4-1
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
Permissible ambient air temperature around the device	-20…70 °C at Uc -60…80 °C storage -5…55 °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, 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)
Height	127 mm
Width	95 mm
Depth	135 mm
Net weight	1.6 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.5 cm
Package 1 Width	8.5 cm
Package 1 Length	12.5 cm
Package 1 Weight	1.65 kg

Environmental Data

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)	**1611**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant**
SCIP Number	**D35ed203-a299-4dcd-95fe-2a4557618485**
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

Technical Illustration

Assembly's dimensions