Product datasheet

Specifications

Green Premium™
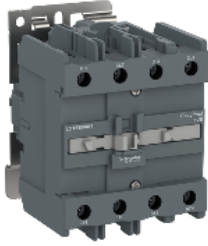
Contactor,EasyPact TVS,4P(4NO),AC-1 125A,220V

LC1E95004M7

Main

Range	EasyPact
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 <60 °C) at <= 415 V AC AC-1 for power circuit

Complementary

Pole contact composition	4 NO
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	125 A (at 60 °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
Associated fuse rating	160 A gG at <= 690 V coordination type 1 for power circuit conforming to IEC 60947-5-1
Control circuit type	AC at 50/60 Hz
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
Maximum operating rate	1200 cyc/h 60 °C
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
Insulation resistance	> 10 MOhm for control circuit
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
Mounting support	Plate DIN rail
Mechanical durability	300000 cycles
Operating altitude	3000 m without derating
Standards	IEC 60947-5-1 IEC 60947-4-1
Product certifications	CE EAC

Environment

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
Ambient air temperature for storage	-60…80 °C
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 Weight	1.622 kg
Package 1 Height	10.9 cm
Package 1 Width	13.5 cm
Package 1 Length	15.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Weight	10.273 kg
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product

Life Is On | Schneider Electric

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins