

# Product datasheet

Specifications



## Contactor, EasyPact TVS, 3P(3NO), AC-3, <=440V, 95A, 220V AC coil, 50/60Hz

LC1E95M7

### Main

Range	EasyPact
Product or component type	Contactor
Device short name	LC1E
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-1
Poles description	3P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 50/60 Hz
[Ie] rated operational current	95 A (at <55 °C) at <= 440 V AC AC-3 for power circuit 125 A (at <55 °C) at <= 440 V AC AC-1 for power circuit

### Complementary

Motor power kW	45 kW at 415 V 45 kW at 440 V 45 kW at 500 V 25 kW at 220...230 V AC 50/60 Hz 45 kW at 380...400 V 55 kW at 660...690 V
Pole contact composition	3 NO
Auxiliary contact composition	1 NO + 1 NC
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV coil not connected to the power circuit conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	120 A (at 55 °C)
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	10 A gG at <= 690 V coordination type 1 for control circuit conforming to IEC 60947-5-1 160 A gG at <= 690 V coordination type 1 for power circuit
Control circuit type	AC at 50/60 Hz
Average impedance	0.8 mOhm - Ith 120 A 50 Hz for power circuit
Power dissipation per pole	7.2 W AC-3 12 W AC-1
Minimum switching current	5 mA for control circuit

<b>Minimum switching voltage</b>	17 V for control circuit
<b>Non-overlap time</b>	1.5 ms on energisation guaranteed between NC and NO contact 1.5 ms on de-energisation guaranteed between NC and NO contact
<b>Maximum operating rate</b>	1200 cyc/h 60 °C
<b>Inrush power in VA</b>	200 VA 50 Hz cos phi 0.75 (at 20 °C) 220 VA 60 Hz cos phi 0.75 (at 20 °C)
<b>Hold-in power consumption in VA</b>	22 VA 60 Hz cos phi 0.3 (at 20 °C) 20 VA 50 Hz cos phi 0.3 (at 20 °C)
<b>Heat dissipation</b>	6...10 W for control circuit
<b>Insulation resistance</b>	> 10 MOhm for control circuit
<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 4...50 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 4...16 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 4...50 mm <sup>2</sup> - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 4...50 mm <sup>2</sup> - cable stiffness: solid without cable end
<b>Tightening torque</b>	Control circuit: 1.2 N.m Power circuit: 12 N.m
<b>Mounting support</b>	Plate DIN rail
<b>Mechanical durability</b>	300000 cycles
<b>Operating altitude</b>	3000 m without derating
<b>Standards</b>	IEC 60947-5-1 IEC 60947-4-1 IEC 60947-1
<b>Product certifications</b>	EAC CE

## Environment

<b>IP degree of protection</b>	IP2x conforming to IEC 60529
<b>Protective treatment</b>	TH (pollution degree 3) conforming to IEC 60068-2-30 test Db
<b>Permissible ambient air temperature around the device</b>	-20...70 °C at Uc
<b>Ambient air temperature for storage</b>	-60...80 °C
<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>	121 mm
<b>Net weight</b>	1.52 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	1.541 kg
<b>Package 1 Height</b>	15.0 cm
<b>Package 1 Width</b>	15.5 cm

<b>Package 1 Length</b>	11.0 cm
<b>Offer Sustainability</b>	
<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins