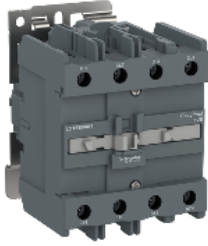


# Product datasheet

Specifications



## Contactor, EasyPact TVS, 4P(4NO), AC-1 100A, 220V

LC1E80004M7

### 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: $\leq 690$ V AC 50/60 Hz
[Ie] rated operational current	100 A (at $\leq 60$ °C) at $\leq 415$ 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	100 A (at 60 °C) for power circuit
Irms rated making capacity	800 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	640 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	160 A gG at $\leq 690$ 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 100 A 50 Hz for power circuit
Power dissipation per pole	5.1 W AC-3 9.7 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 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 60947-4-1 IEC 60947-5-1
<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 U <sub>c</sub>
<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>	95 mm
<b>Depth</b>	120 mm
<b>Net weight</b>	1.6 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>	1.608 kg
<b>Package 1 Height</b>	11.5 cm
<b>Package 1 Width</b>	13.5 cm
<b>Package 1 Length</b>	15.5 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	6
<b>Package 2 Weight</b>	10.214 kg
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
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<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