

# Product datasheet

Specifications



## EasyPact TVS contactor 4P(4NO) 60A AC-1 up to 415V coil 220V AC 50Hz WB

LC1E38004M5WB

⚠ To be discontinued on: 30 June 2023

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### 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	60 A (at $\leq 60$ °C) at $\leq 415$ V AC-1 for power circuit
[Uc] control circuit voltage	220 V AC 50 Hz

### Complementary

Pole contact composition	4 NO
[Ith] conventional free air thermal current	60 A (at 60 °C)
Irms rated making capacity	380 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	304 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	60 A 40 °C - 600 s for power circuit 310 A 40 °C - 10 s for power circuit 150 A 40 °C - 60 s for power circuit
Associated fuse rating	63 A gG at $\leq 690$ V coordination type 1 for power circuit
Average impedance	2.5 mOhm - Ith 50 A 50 Hz for power circuit
Power dissipation per pole	5 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	8 Mcycles
Electrical durability	0.35 Mcycles AC-1
Control circuit type	AC at 50 Hz wide range

<b>Control circuit voltage limits</b>	0.3...0.6 U <sub>c</sub> (55 °C):drop-out 50 Hz 0.7...1.25 U <sub>c</sub> (55 °C):operational 50 Hz
<b>Inrush power in VA</b>	95 VA 50 Hz cos phi 0.75 (at 20 °C)
<b>Hold-in power consumption in VA</b>	8.3 VA 50 Hz cos phi 0.3 (at 20 °C)
<b>Heat dissipation</b>	2...3 W for control circuit
<b>Operating time</b>	12...22 ms on closing 4...19 ms on opening
<b>Maximum operating rate</b>	1800 cyc/h 60 °C
<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 Power circuit: screw clamp terminals 1 1...6 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 1...4 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 Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: solid Power circuit: screw clamp terminals 1 1.5...6 mm <sup>2</sup> - cable stiffness: solid Power circuit: screw clamp terminals 2 1.5...6 mm <sup>2</sup> - cable stiffness: solid
<b>Tightening torque</b>	Control circuit: 1.2 N.m Power circuit: 2.1 N.m
<b>Auxiliary contact composition</b>	Without
<b>Mounting support</b>	Plate DIN rail

## Environment

<b>Standards</b>	IEC 60947-5-1 IEC 60947-4-1
<b>Product certifications</b>	EAC CE
<b>IP degree of protection</b>	IP2X conforming to IEC 60529
<b>Protective treatment</b>	TH 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> -60...80 °C storage -5...55 °C operation
<b>Operating altitude</b>	3000 m without derating
<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 closed (10 Gn for 11 ms) Shocks contactor open (6 Gn for 11 ms)
<b>Height</b>	84 mm
<b>Width</b>	56 mm
<b>Depth</b>	93 mm
<b>Net weight</b>	0.52 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	9.3 cm
<b>Package 1 Width</b>	5.6 cm
<b>Package 1 Length</b>	8.4 cm
<b>Package 1 Weight</b>	431 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	22

Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	10230 g
Unit Type of Package 3	P06
Number of Units in Package 3	352
Package 3 Height	58 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	163680 g

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Recommended replacement(s)

LC1E38004M5WB is replaced by:

1x



EasyPact TVS contactor 4P(4NO) 60A AC-1 up to 415V coil 220V AC 50/60Hz  
LC1E38004M7