



### Glavno

Range	EasyPact
Product name	EasyPact TVS
Product or component type	Contactora
Device short name	LC1E
Contactora application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	<= 690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	50 A (<= 60 °C) AC AC-1for power circuit <= 440 V 38 A (<= 60 °C) AC AC-3for power circuit <= 440 V
Motor power kW	18.5 kW at 380...400 V 18.5 kW at 500 V 9 kW at 220...230 V AC 50/60 Hz 18.5 kW at 440 V 18.5 kW at 660...690 V 18.5 kW at 415 V
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	24 V AC 50/60 Hz
Height	84 mm
Width	56 mm
Depth	86 mm
Product weight	0.45 kg
Colour	Grey RAL 7011

### Komplementarno

Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	6 kV (coil not connected to the power circuit) IEC 60947
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
Overvoltage category	III
Irms rated making capacity	380 A - 440 V ACfor power circuit conforming to IEC 60947-4-1
Rated breaking capacity	304 A at 440 Vfor power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	60 A at <= 40 °C - 600 sfom power circuit 310 A at <= 40 °C - 10 sfom power circuit 150 A at <= 40 °C - 60 sfom power circuit
Associated fuse rating	63 A gG <= 690 V type 1 power circuit 10 A gG <= 690 V type 1 control circuit IEC 60947-5-1
Average impedance	2.5 mOhm at 50 Hz Ith 50 Afor power circuit
Power dissipation per pole	5 W AC-1 2.9 W AC-3
Control circuit voltage limits	0.85...1.1 Uc at <= 55 °C operational 50/60 Hz 0.3...0.6 Uc at <= 55 °C drop-out 50/60 Hz
Operating time	12...22 ms on closing 4...19 ms on opening
Mechanical durability	8000000 cycles
Operating rate	1800 cyc/h at <= 60 °C
Inrush power in VA	95 VA at 20 °C (0.75) 60 Hz 95 VA at 20 °C (0.75) 50 Hz

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda.  
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Hold-in power consumption in VA	8.5 VA at 20 °C (0.3) 50 Hz 8.5 VA at 20 °C (0.3) 60 Hz
Heat dissipation	2...3 Wfor control circuit
Minimum switching current	5 mA control circuit
Minimum switching voltage	17 V control circuit
Non-overlap time	1.5 ms on energisation guaranteed between NC and NO contact 1.5 ms on de-energisation guaranteed between NC and NO contact
Insulation resistance	> 10 MOhm control circuit
Electrical durability	350000 cycles AC-1 900000 cycles AC-3
Mounting support	DIN rail Plate
Connections - terminals	Control circuit: screw clamp terminals - 1 flexible cable(s) 1...4 mm <sup>2</sup> without cable end Control circuit: screw clamp terminals - 2 flexible cable(s) 1...4 mm <sup>2</sup> without cable end Control circuit: screw clamp terminals - 1 flexible cable(s) 1...4 mm <sup>2</sup> with cable end Control circuit: screw clamp terminals - 2 flexible cable(s) 1...2.5 mm <sup>2</sup> with cable end Control circuit: screw clamp terminals - 1 solid cable(s) 1...4 mm <sup>2</sup> without cable end Control circuit: screw clamp terminals - 2 solid cable(s) 1...4 mm <sup>2</sup> without cable end Power circuit: screw clamp terminals - 1 solid cable(s) 1.5...6 mm <sup>2</sup> without cable end Power circuit: screw clamp terminals - 2 solid cable(s) 1.5...6 mm <sup>2</sup> without cable end Power circuit: screw clamp terminals - 1 flexible cable(s) 1...6 mm <sup>2</sup> with cable end Power circuit: screw clamp terminals - 2 flexible cable(s) 1...4 mm <sup>2</sup> with cable end
Tightening torque	2.1 N.mfor power circuit 1.5 N.mfor control circuit

## Okolina

standards	IEC 60947-1 IEC 60947-4-1 IEC 60947-5-1
product certifications	EAC
IP degree of protection	IP2x conforming to IEC 60529
protective treatment	TH IEC 60068 3
pollution degree	3
ambient air temperature for operation	-5...55 °C
ambient air temperature for storage	-60...80 °C
permissible ambient air temperature around the device	-20...70 °C at Uc
operating altitude	3000 m without derating
fire resistance	850 °C IEC 60695-2-1
mechanical robustness	Vibrations contactor closed 3 Gn, 5...300 Hz Shocks contactor closed 10 Gn for 11 ms Shocks contactor open 6 Gn for 11 ms Vibrations contactor open 1.5 Gn, 5...300 Hz

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1350 - Schneider Electric declaration of conformity	Compliant - since 1350 - Schneider Electric declaration of conformity
Reference contains SVHC above the threshold - go to CaP for more details	Reference contains SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations