



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 NC
[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 sf for power circuit 310 A at ≤ 40 °C - 10 sf for power circuit 150 A at ≤ 40 °C - 60 sf for 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. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje prije primjene ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

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 ² without cable end Control circuit: screw clamp terminals - 2 flexible cable(s) 1...4 mm ² without cable end Control circuit: screw clamp terminals - 1 flexible cable(s) 1...4 mm ² with cable end Control circuit: screw clamp terminals - 2 flexible cable(s) 1...2.5 mm ² with cable end Control circuit: screw clamp terminals - 1 solid cable(s) 1...4 mm ² without cable end Control circuit: screw clamp terminals - 2 solid cable(s) 1...4 mm ² without cable end Power circuit: screw clamp terminals - 1 solid cable(s) 1.5...6 mm ² without cable end Power circuit: screw clamp terminals - 2 solid cable(s) 1.5...6 mm ² without cable end Power circuit: screw clamp terminals - 1 flexible cable(s) 1...6 mm ² with cable end Power circuit: screw clamp terminals - 2 flexible cable(s) 1...4 mm ² 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 U _c
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