



Main

Commercial Status	Commercialised
Range	EasyPact
Product name	EasyPact TVS
Product or component type	Contacteur
Device short name	LC1E
Contacteur application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	<= 690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	25 A (<= 60 °C) AC AC-1 for power circuit <= 440 V 9 A (<= 60 °C) AC AC-3 for power circuit <= 440 V
Motor power kW	5.5 kW at 660...690 V 5.5 kW at 500 V 4 kW at 440 V 4 kW at 415 V 4 kW at 380...400 V 2.2 kW at 220...230 V AC 50/60 Hz
Control circuit type	AC 60 Hz standard
Control circuit voltage	110 V AC 60 Hz
Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	6 kV (coil not connected to the power circuit) IEC 60947
Overvoltage category	III
Irms rated making capacity	90 A - 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	72 kA at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	30 kA at <= 40 °C - 600 s for power circuit 61 kA at <= 40 °C - 60 s for power circuit 105 kA at <= 40 °C - 10 s for power circuit
Associated fuse rating	IEC 60947-5-1
Average impedance	2.5 mOhm at 50 Hz Ith 25 A for power circuit
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
Electrical durability	AC-1 AC-3
Power dissipation per pole	AC-1 AC-3
Mounting support	DIN rail Plate
Standards	IEC 60947-1 IEC 60947-4-1 IEC 60947-5-1
Product certifications	GOST

Connections - terminals	Control circuit : screw clamp terminals - 2 solid cable(s) 1...4 mm ² without cable end cable end Control circuit : screw clamp terminals - 1 solid cable(s) 1...4 mm ² without cable end cable end Control circuit : screw clamp terminals - 2 flexible cable(s) 1...2.5 mm ² with cable end cable end Control circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm ² with cable end cable end Control circuit : screw clamp terminals - 2 flexible cable(s) 1...4 mm ² without cable end cable end Control circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm ² without cable end cable end Power circuit : screw clamp terminals - 2 solid cable(s) 1...4 mm ² without cable end cable end Power circuit : screw clamp terminals - 1 solid cable(s) 1...4 mm ² without cable end cable end Power circuit : screw clamp terminals - 2 flexible cable(s) 1...2.5 mm ² with cable end cable end Power circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm ² with cable end cable end
Tightening torque	1.5 N.m for control circuit 1.2 N.m for power circuit
Operating time	
Mechanical durability	10000000 cycles
Operating rate	1800 cyc/h at <= 60 °C

Complementary

Control circuit voltage limits	0.3...0.6 U _c at <= 55 °C drop-out 60 Hz 0.85...1.1 U _c at <= 55 °C operational 60 Hz
Inrush power in VA	95 VA at 20 °C (0.75) 60 Hz 95 VA at 20 °C (0.75) 50 Hz
Hold-in power consumption in VA	8.5 VA at 20 °C (0.3) 60 Hz 8.5 VA at 20 °C (0.3) 50 Hz
Heat dissipation	2...3 W for control circuit
Non-overlap time	

Environment

IP degree of protection	IP2x conforming to IEC 60529
Protective treatment	IEC 60068
Pollution degree	3
Ambient air temperature for operation	5...55 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating
Fire resistance	IEC 60695-2-1
Mechanical robustness	Shocks contactor closed 10 Gn for 11 ms Shocks contactor open 7 Gn for 11 ms Vibrations contactor closed 3 Gn, 5...300 Hz Vibrations contactor open 1.5 Gn, 5...300 Hz
Height	74 mm
Width	45 mm
Depth	80 mm
Product weight	0.3 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations