Product data sheet
Characteristics

LC1E65M7
EasyPact TVS contactor 3P(3 NO) - AC-3 - <= 440 V 65A - 220 V AC coil

Main

Range	EasyPact
Product name	EasyPact TVS
Product or component type	Contactor
Device short name	LC1E
Contactor 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	80 A (<= 60 °C) AC AC-1 for power circuit <= 440 V 65 A (<= 60 °C) AC AC-3 for power circuit <= 440 V
Motor power kW	37 kW at 660...690 V 37 kW at 500 V 37 kW at 440 V 37 kW at 415 V 30 kW at 380...400 V 18.5 kW at 220...230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz standard
Control circuit voltage	220 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 1 NC
[Uimp] rated impulse withstand voltage	6 kV (coil not connected to the power circuit) IEC 60947
Overvoltage category	III
Irms rated making capacity	650 A - 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	520 kA at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	At <= 40 °C - 600 s for power circuit At <= 40 °C - 60 s for power circuit At <= 40 °C - 10 s for power circuit
Associated fuse rating	IEC 60947-5-1
Average impedance	1 mOhm at 50 Hz Ith 80 A for power circuit
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
Electrical durability	AC-3 AC-1
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

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Connections - terminals	Power circuit : screw clamp terminals - 2 solid cable(s) 2.5...16 mm² without cable end cable end Power circuit : screw clamp terminals - 1 solid cable(s) 2.5...25 mm² without cable end cable end Power circuit : screw clamp terminals - 2 flexible cable(s) 2.5...10 mm² with cable end cable end Power circuit : screw clamp terminals - 1 flexible cable(s) 2.5...25 mm² with cable end cable end Control circuit : screw clamp terminals - 2 solid cable(s) 1...4 mm² without cable end cable end Control circuit : screw clamp terminals - 1 solid cable(s) 1...4 mm² without cable end cable end Control circuit : screw clamp terminals - 2 flexible cable(s) 1...2.5 mm² with cable end cable end Control circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm² with cable end cable end Control circuit : screw clamp terminals - 2 flexible cable(s) 1...4 mm² without cable end cable end Control circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm² without cable end cable end
Tightening torque	5 N.m for power circuit 1.2 N.m for control circuit
Operating time	
Mechanical durability	5000000 cycles
Operating rate	1200 cyc/h at <= 60 °C

Complementary

Control circuit voltage limits	0.3...0.6 Uc at <= 55 °C drop-out 50/60 Hz 0.85...1.1 Uc at <= 55 °C operational 50/60 Hz
Inrush power in VA	140 VA at 20 °C (0.75) 60 Hz 160 VA at 20 °C (0.75) 50 Hz
Hold-in power consumption in VA	13 VA at 20 °C (0.3) 60 Hz 15 VA at 20 °C (0.3) 50 Hz
Heat dissipation	6...10 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 7 Gn for 11 ms Shocks contactor open 6 Gn for 11 ms Vibrations contactor closed 3 Gn, 5...300 Hz Vibrations contactor open 1.5 Gn, 5...300 Hz
Height	127 mm
Width	75 mm
Depth	114 mm
Product weight	0.98 kg