Product data sheet
Characteristics

LC1E400N7
EasyPact TVS contactor 3P(3 NO) - AC-3 - <= 440 V 400A - 415 V AC coil

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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	500 A (<= 40 °C) AC AC-1 for power circuit <= 440 V 400 A (<= 55 °C) AC AC-3 for power circuit <= 440 V
Motor power kW	280 kW at 660...690 V 257 kW at 500 V 250 kW at 440 V 220 kW at 415 V 200 kW at 380...400 V 110 kW at 220...230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz standard
Control circuit voltage	415 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV (coil not connected to the power circuit) IEC 60947
Overvoltage category	III
Irms rated making capacity	4000 A - 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	3200 kA at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	At <= 40 °C - 10 s for power circuit
Associated fuse rating	IEC 60947-5-1
Average impedance	0.26 mOhm at 50 Hz Ith 500 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	Plate
Standards	IEC 60947-1 IEC 60947-4-1 IEC 60947-5-1
Product certifications	GOST
Connections - terminals	Power circuit : bars - 2 30 x 5 mm Power circuit : cable with lug - 2Ø150 mm 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	35 N.m for power circuit 1.2 N.m for control circuit
Operating time	
Mechanical durability	4000000 cycles
Operating rate	2400 cyc/h at <= 55 °C

Complementary

Control circuit voltage limits	0.35...0.5 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	1075 VA at 20 °C (0.9) 60 Hz 1075 VA at 20 °C (0.9) 50 Hz
Hold-in power consumption in VA	15 VA at 20 °C (0.9) 60 Hz 15 VA at 20 °C (0.9) 50 Hz
Heat dissipation	14 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 15 Gn for 11 ms Vibrations contactor closed 5 Gn, 5...300 Hz Shocks contactor open 6 Gn for 11 ms Vibrations contactor open 1.5 Gn, 5...300 Hz
Height	375 mm
Width	213 mm
Depth	219 mm
Product weight	9.1 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1332 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations