Product data sheet
Characteristics

LC1E1201F7
EasyPact TVS contactor 3P(3 NO) - AC-3 - <= 440 V 12A - 110 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	12 A (<= 60 °C) AC AC-3 for power circuit <= 440 V 25 A (<= 60 °C) AC AC-1 for power circuit <= 440 V
Motor power kW	7.5 kW at 660...690 V 7.5 kW at 500 V 5.5 kW at 440 V 5.5 kW at 415 V 5.5 kW at 380...400 V 3 kW at 220...230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz standard
Control circuit voltage	110 V AC 50/60 Hz
Auxiliary contact composition	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	120 A - 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	96 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	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

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Connections - terminals	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 Power circuit : screw clamp terminals - 2 solid cable(s) 1...4 mm² without cable end cable end Power circuit : screw clamp terminals - 1 solid cable(s) 1...4 mm² without cable end cable end Power circuit : screw clamp terminals - 2 flexible cable(s) 1...2.5 mm² with cable end cable end Power circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm² 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 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	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	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1350 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold