Product datasheet

Specifications

Contactor,EasyPact TVS,4P(4NO),AC-1 60A,220V

LC1E40004M7

Main

Range	EasyPact
Product or component type	Contactor
Device short name	LC1E
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 50/60 Hz
[Ie] rated operational current	60 A (at <60 °C) at <= 415 V AC AC-1 for power circuit

Complementary

Pole contact composition	4 NO
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	60 A (at 60 °C)
Irms rated making capacity	400 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	320 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	80 A gG at <= 690 V coordination type 1 for power circuit conforming to IEC 60947-5-1
Control circuit type	AC at 50/60 Hz
Average impedance	1.5 mOhm - Ith 60 A 50 Hz for power circuit
Power dissipation per pole	2.4 W AC-3 5.4 W AC-1
Maximum operating rate	1200 cyc/h 60 °C
Inrush power in VA	160 VA 50 Hz cos phi 0.75 (at 20 °C) 140 VA 60 Hz cos phi 0.75 (at 20 °C)
Hold-in power consumption in VA	15 VA 50 Hz cos phi 0.3 (at 20 °C) 13 VA 60 Hz cos phi 0.3 (at 20 °C)
Heat dissipation	6…10 W for control circuit
Insulation resistance	> 10 MOhm for control circuit
Connections - terminals	Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: flexible without cable end

Control circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: flexible without cable end
Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: flexible with cable end
Control circuit: screw clamp terminals 2 1…2.5 mm² - cable stiffness: flexible with cable end
Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: solid without cable end
Control circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: solid without cable end
Power circuit: screw clamp terminals 1 2.5…25 mm² - cable stiffness: flexible with cable end
Power circuit: screw clamp terminals 2 2.5…10 mm² - cable stiffness: flexible with cable end
Power circuit: screw clamp terminals 1 2.5…25 mm² - cable stiffness: solid without cable end
Power circuit: screw clamp terminals 2 2.5…16 mm² - cable stiffness: solid without cable end

Tightening torque	Control circuit: 1.2 N.m Power circuit: 5 N.m
Mounting support	DIN rail Plate
Mechanical durability	5000000 cycles
Operating altitude	3000 m without derating
Product certifications	EAC CE

Environment

IP degree of protection	IP2x conforming to IEC 60529
Protective treatment	TH (pollution degree 3) conforming to IEC 60068-2-30 test Db
Permissible ambient air temperature around the device	-20…70 °C at Uc
Ambient air temperature for storage	-60…80 °C
Fire resistance	850 °C conforming to IEC 60695-2-1
Mechanical robustness	Vibrations contactor open: 1.5 Gn, 5...300 Hz Vibrations contactor closed: 3 Gn, 5...300 Hz Shocks contactor open: 6 Gn for 11 ms Shocks contactor closed: 7 Gn for 11 ms
Height	127 mm
Width	85 mm
Depth	110 mm
Net weight	1.3 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.4 kg
Package 1 Height	12.5 cm
Package 1 Width	8.5 cm
Package 1 Length	12.5 cm
Unit Type of Package 2	P06
Number of Units in Package 2	48
Package 2 Weight	107.04 kg
Package 2 Height	72.5 cm
Package 2 Width	62.0 cm
Package 2 Length	81.0 cm
Unit Type of Package 3	S03
Number of Units in Package 3	6
Package 3 Weight	8.92 kg
Package 3 Height	30.0 cm

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Package 3 Width	30.0 cm
Package 3 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins