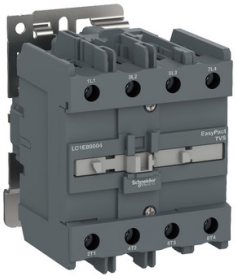
Product datasheet

Specifications



Easy TeSys contactor 4P(2 NO + 2 NC) - AC-1 - <= 415 V 60A - 415 V AC coil

LC1E80004M5WBIN

Main

Range	Easy TeSys
Range Of Product	Easy TeSys Control
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	110 A (at <40 °C) at <= 415 V AC AC-1 for power circuit
[Uc] Control Circuit Voltage	220 V AC 50 Hz

Complementary

Pole Contact Composition	4 NO
[Ith] Conventional Free Air Thermal Current	110 A (at 40 °C) for power circuit
Irms Rated Making Capacity	800 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated Breaking Capacity	640 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	640 A 40 °C - 10 s for power circuit 320 A 40 °C - 60 s for power circuit 135 A 40 °C - 600 s for power circuit
Associated Fuse Rating	160 A gG at <= 690 V coordination type 1 for power circuit
Average Impedance	0.8 mOhm - Ith 110 A 50 Hz for power circuit
Power Dissipation Per Pole	9.7 W AC-1
[Ui] Rated Insulation Voltage	690 V conforming to IEC 60947-4-1
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Mechanical Durability	3000000 cycles
Electrical Durability	350000 cycles AC-1
Control Circuit Type	AC at 50 Hz wide range
Control Circuit Voltage Limits	0.3...0.6 Uc (-5…55 °C):drop-out 50 Hz 0.7...1.25 Uc (-5…55 °C):operational 50 Hz
Inrush Power In Va	200 VA 50 Hz cos phi 0.75 (at 20 °C)

Disclaimer: 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

Hold-In Power Consumption In Va	20 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat Dissipation	6…10 W for control circuit
Operating Time	6...20 ms on opening 20...35 ms on closing
Maximum Operating Rate	1200 cyc/h 60 °C
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 Power circuit: screw clamp terminals 1 4…50 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 4…16 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: solid Power circuit: screw clamp terminals 1 4…50 mm² - cable stiffness: solid Power circuit: screw clamp terminals 2 4…50 mm² - cable stiffness: solid
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 12 N.m
Auxiliary Contact Composition	Without
Mounting Support	Plate DIN rail

Environment

Standards	IEC 60947-5-1 IEC 60947-4-1
Product Certifications	EAC
Ip Degree Of Protection	IP20 conforming to IEC 60529
Protective Treatment	TH conforming to IEC 60068
Permissible Ambient Air Temperature Around The Device	-20…70 °C at Uc -60…80 °C storage -5…55 °C operation
Operating Altitude	3000 m
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	95 mm
Depth	120 mm
Net Weight	1.6 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	13.5 cm
Package 1 Width	9.5 cm
Package 1 Length	12.7 cm

Package 1 Weight	1600 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.6 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	48
Package 3 Height	150 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	77.2 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency

RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information