

Product datasheet

Specifications



Easy TeSys contactor 4P CTR 80A AC1(4NO)220V 50Hz WB

LC1E65004M5WB

Discontinued on: 08-Jan-2021

Discontinued

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	80 A (at <60 °C) at <= 415 V 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	80 A (at 60 °C)
Irms Rated Making Capacity	650 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated Breaking Capacity	520 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	520 A 40 °C - 10 s for power circuit 260 A 40 °C - 60 s for power circuit 110 A 40 °C - 600 s for power circuit
Associated Fuse Rating	125 A gG at <= 690 V coordination type 1 for power circuit
Average Impedance	1 mOhm - Ith 80 A 50 Hz for power circuit
Power Dissipation Per Pole	6.4 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	5000000 cycles
Electrical Durability	0.35 Mcycles AC-1
Control Circuit Type	AC at 50 Hz wide range
Control Circuit Voltage Limits	0.3...0.6 Uc (55 °C):drop-out 50 Hz 0.7...1.25 Uc (55 °C):operational 50 Hz

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

Inrush Power In Va	160 VA 50 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)
Heat Dissipation	6...10 W for control circuit
Operating Time	20...26 ms on closing 8...12 ms on opening
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 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 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 2.5...25 mm² - cable stiffness: solid Power circuit: screw clamp terminals 2 2.5...16 mm² - cable stiffness: solid
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 5 N.m
Auxiliary Contact Composition	Without
Mounting Support	DIN rail Plate

Environment

Standards	IEC 60947-5-1 IEC 60947-4-1
Product Certifications	EAC CE
Ip Degree Of Protection	IP2X conforming to IEC 60529
Protective Treatment	TH conforming to IEC 60068-2-30 test Db
Permissible Ambient Air Temperature Around The Device	-20...70 °C at Uc -60...80 °C storage -5...55 °C operation
Operating Altitude	3000 m without derating
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	125 mm
Net Weight	1.3 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

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-CO₂ 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

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

Certifications & Standards

Eu Rohs Directive	Compliant EU RoHS Declaration
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