Product datasheet

Specifications





Easy TeSys contactor 3P(3 NO) - AC-3 - 400 V 25A - 220 V AC coil wide range

LC1E1201M5WB

Main

| Range | Easy TeSys | |
|--------------------------------|--|--|
| Range of product | Easy TeSys Control | |
| Product or component type | Contactor | |
| Device short name | LC1E | |
| contactor application | Resistive load Motor control | |
| Utilisation category | AC-3 AC-1 | |
| poles description | 3P | |
| [Ue] rated operational voltage | Power circuit: <= 690 V AC 50/60 Hz | |
| [le] rated operational current | 25 A (at <60 °C) at <= 440 V AC-1 for power circuit 12 A (at <60 °C) at <= 440 V AC-3 for power circuit | |
| [Uc] control circuit voltage | 220 V AC 50 Hz | |

Complementary

| • | | |
|---|--|--|
| Motor power kW | 3 kW at 220230 V AC 50/60 Hz | |
| | 5.5 kW at 380400 V | |
| | 5.5 kW at 415 V | |
| | 5.5 kW at 440 V | |
| | 7.5 kW at 500 V | |
| | 7.5 kW at 660690 V | |
| Pole contact composition | 3 NO | |
| Irms rated making capacity | 120 A at 440 V AC for power circuit conforming to IEC 60947-4-1 | |
| Rated breaking capacity | 96 A at 440 V for power circuit conforming to IEC 60947 | |
| [Icw] rated short-time withstand | 105 A 40 °C - 10 s for power circuit | |
| current | 61 A 40 °C - 60 s for power circuit | |
| | 30 A 40 °C - 600 s for power circuit | |
| Associated fuse rating | 25 A gG at <= 690 V coordination type 1 for power circuit | |
| | 10 A gG at <= 690 V for signalling circuit | |
| Average impedance | 2.5 mOhm - Ith 25 A 50 Hz for power circuit | |
| Power dissipation per pole | 0.36 W AC-3 | |
| | 1.6 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 coil not connected to the power circuit conforming to IEC 60947 | |
| Mechanical durability | 10000000 cycles | |
| | | |

| Electrical durability | 1400000 cycles AC-3 | |
|---|---|--|
| - | 300000 cycles AC-1 | |
| Control circuit type | AC at 50 Hz wide range | |
| Control circuit voltage limits | 0.30.6 Uc (-555 °C):drop-out 50 Hz 0.71.25 Uc (-555 °C):operational 50 Hz | |
| Inrush power in VA | 95 VA 50 Hz cos phi 0.75 (at 20 °C) | |
| Hold-in power consumption in VA 8.5 VA 50 Hz cos phi 0.3 (at 20 °C) | | |
| Heat dissipation | 23 W for control circuit | |
| Operating time | 1222 ms on closing 419 ms on opening | |
| Maximum operating rate | 1800 cyc/h 60 °C | |
| Connections - terminals | Power circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid | |
| Tightening torque | Power circuit: 1.2 N.m Control circuit: 1.2 N.m | |
| Auxiliary contact composition | 1 NC | |
| Minimum switching voltage | 17 V for signalling circuit | |
| Minimum switching current | 5 mA for signalling circuit | |
| Insulation resistance | > 10 MOhm for signalling circuit | |
| mounting support | DIN rail Plate | |

Environment

| Standards | IEC 60947-4-1 IEC 60947-5-1 | |
|---|--|--|
| 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 | -2070 °C at Uc -6080 °C storage -555 °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, 5300 Hz) Vibrations contactor closed (3 Gn, 5300 Hz) Shocks contactor open (7 Gn for 11 ms) Shocks contactor closed (10 Gn for 11 ms) | |
| Height | 74 mm | |
| Width | 45 mm | |
| Depth | h 80 mm | |

Net weight 0.3 kg

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|---------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.5 cm |
| Package 1 Width | 5.0 cm |
| Package 1 Length | 7.5 cm |
| Package 1 Weight | 294.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 36 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |



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Transparency RoHS/REACh

Well-being performance

| Ø | Reach Free Of Svhc | |
|----------|----------------------------|-----|
| ⊘ | Toxic Heavy Metal Free | |
| | Mercury Free | |
| ② | Rohs Exemption Information | Yes |

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| 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 |
| Circularity Profile | End of Life Information |