



ⓘ Discontinued

LC1F6302Q7 has not been replaced. Please contact your customer care center for more information.

Main

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|--------------------------------|--|
| Range | TeSys |
| Product name | TeSys F |
| Product or component type | Contactor |
| Device short name | LC1F |
| Contactor application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 2P |
| Power pole contact composition | 2 NO |
| [Ue] rated operational voltage | ≤ 1000 V AC 50/60 Hz ≤ 460 V DC |
| [Ie] rated operational current | 1000 A (≤ 40 °C) at ≤ 440 V AC AC-1 |
| [Uc] control circuit voltage | 380 V AC 40...400 Hz |

Complementary

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|---|--|
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overtoltage category | III |
| [Ith] conventional free air thermal current | 1000 A at ≤ 40 °C 1250 A |
| Rated breaking capacity | 5040 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 5050 A ≤ 40 °C 10 s 4400 A ≤ 40 °C 30 s 3400 A ≤ 40 °C 1 min 2200 A ≤ 40 °C 3 min 1600 A ≤ 40 °C 10 min |
| Associated fuse rating | 630 A aM at ≤ 440 V 1000 A gG at ≤ 440 V |
| Average impedance | 0.12 mOhm at 50 Hz - Ith 1000 A |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C |
| Power dissipation per pole | 120 W AC-1 |
| Mounting support | Plate |
| Standards | IEC 60947-1 EN 60947-4-1 EN 60947-1 JIS C8201-4-1 |

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

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|---------------------------------|--|
| Product certifications | RMRoS CCC RINA BV LROS (Lloyds register of shipping) UL CB ABS DNV |
| Connections - terminals | Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Power circuit : bolted connection Power circuit : bar 2 x (60 x 5 mm) |
| Tightening torque | Control circuit : 1.2 N.m Power circuit : 58 N.m |
| Control circuit voltage limits | 0.85...1.1 U _c at 55 °C operational 40...400 Hz 0.25...0.5 U _c at 55 °C drop-out 40...400 Hz |
| Inrush power in VA | 1650 VA at 20 °C (cos φ 0.9) 40...400 Hz |
| Hold-in power consumption in VA | 22 VA at 20 °C (cos φ 0.9) 40...400 Hz |
| Heat dissipation | 20 W |
| Operating time | 100...200 ms opening 40...80 ms closing |
| Mechanical durability | 5 Mcycles |
| Operating rate | <= 1200 cyc/h at <= 55 °C |

Environment

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|---|---|
| IP degree of protection | IP20 front face with shrouds (ordered separately) conforming to IEC 60529 IP20 front face with shrouds (ordered separately) conforming to VDE 0106 |
| Protective treatment | TH |
| Ambient air temperature for operation | -5...55 °C |
| Ambient air temperature for storage | -60...80 °C |
| Permissible ambient air temperature around the device | -40...70 °C |
| Operating altitude | 3000 m without |
| Height | 304 mm |
| Width | 309 mm |
| Depth | 255 mm |
| Product weight | 15.5 kg |

Offer Sustainability

| | |
|----------------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 0852 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| Product environmental profile | Available Product Environmental Profile |
| Product end of life instructions | Available End of Life Information |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
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