

Product datasheet

Specifications



TeSys F Contactor - 3P (3 NO) - AC1 - ≤ 1000 V AC 2600 A - coil 440 V DC

LC1F2600RD

⚠ Discontinued on: 10 Jun 2022

⚠ End-of-service on: 26 Nov 2024

⚠ Discontinued

Main

| | |
|--------------------------------|----------------------------------|
| Range | TeSys |
| Range of product | TeSys F |
| Product or component type | Contacteur |
| Device short name | LC1F |
| Contacteur application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 3P |
| [Ue] rated operational voltage | ≤ 1000 V AC 50/60 Hz |
| [Uc] control circuit voltage | 440 V DC |
| [Ie] rated operational current | 2600 A (at ≤ 60 °C) AC AC-1 |

Complementary

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|---|--|
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ith] conventional free air thermal current | 2600 A (at 60 °C) |
| Rated breaking capacity | 3900 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 12000 A 40 °C - 10 s 9000 A 40 °C - 30 s 7000 A 40 °C - 1 min 6000 A 40 °C - 3 min 4000 A 40 °C - 10 min |
| Associated fuse rating | 2500 A gG at ≤ 440 V |
| Average impedance | 0.1 mOhm - Ith 2600 A 50 Hz |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60947-4-1 1000 V conforming to UL 60947-4-1 |
| Power dissipation per pole | 250 W AC-1 |
| Overvoltage category | III |
| power pole contact composition | 3 NO |
| Control circuit voltage limits | Operational: 0.85...1.1 U _c (at 55 °C) Drop-out: 0.2...0.35 U _c (at 55 °C) |
| Inrush power in W | 2600 W (at 20 °C) |
| Hold-in power consumption in W | 18 W at 20 °C |
| Maximum operating rate | 600 cyc/h 55 °C |

| | |
|--------------------------------|---|
| Operating time | 60...70 ms closing 40...50 ms opening |
| Connections - terminals | Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end Power circuit: bar 3 cable(s) - busbar cross section: 100 x 10 mm |
| Tightening torque | Control circuit: 1.2 N.m Power circuit: 58 N.m |
| Mounting support | Plate |
| Heat dissipation | 40 W |
| Standards | EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 |
| Product certifications | CB Scheme CCC CSA UL UKCA EAC |
| Compatibility code | LC1F |
| Control circuit type | DC standard |

Environment

| | |
|--|---|
| IP degree of protection | IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106 |
| Protective treatment | TH |
| Ambient air temperature for operation | -5...40 °C |
| Ambient air temperature for storage | -60...80 °C |
| Permissible ambient air temperature around the device | -40...60 °C |
| Height | 382 mm |
| Width | 519 mm |
| Depth | 251 mm |
| Operating altitude | 3000 m without derating |
| Net weight | 36 kg |

Packing Units

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|-------------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

Contractual warranty

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|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Longer



Lifetime extension

[Repair](#)

[No](#)

Use Again



Repack and remanufacture

[End of life manual availability](#)

[End of Life Information](#)

[WEEE Label](#)



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins