

Product datasheet

Specifications



TeSys F contactor - 4P (4 NO) - AC-1 - ≤ 440 V 350 A - coil 400 V AC

LC1F2654V7

⚠ Discontinued on: Apr 13, 2023

⚠ Discontinued

Main

| | |
|--------------------------------|---|
| Range | TeSys |
| Range of product | TeSys F |
| Product or component type | Contactor |
| Device short name | LC1F |
| Contactor application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 4P |
| [Ue] rated operational voltage | ≤ 1000 V AC-1 ≤ 690 V AC-3 ≤ 690 V AC-4 ≤ 460 V DC |
| [Uc] control circuit voltage | 400 V AC 40...400 Hz |
| [Ie] rated operational current | 350 A (at <40 °C) at ≤ 440 V AC AC-1 |

Complementary

| | |
|---|---|
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ith] conventional free air thermal current | 350 A (at 40 °C) |
| Rated breaking capacity | 2120 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 2200 A 40 °C - 10 s 1230 A 40 °C - 30 s 950 A 40 °C - 1 min 620 A 40 °C - 3 min 480 A 40 °C - 10 min |
| Associated fuse rating | 315 A aM at ≤ 440 V 400 A gG at ≤ 440 V |
| Average impedance | 0.3 mOhm - Ith 350 A 50 Hz |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C |
| Power dissipation per pole | 37 W AC-1 |
| Overvoltage category | III |
| power pole contact composition | 4 NO |
| Control circuit voltage limits | Operational: 0.85...1.1 U _c 40...400 Hz (at 55 °C) Drop-out: 0.15...0.2 U _c 40...400 Hz (at 55 °C) |
| Mechanical durability | 10 Mcycles |
| Inrush power in VA | 650 VA, 40...400 Hz cos phi 0.9 (at 20 °C) |

| | |
|--|---|
| Hold-in power consumption in VA | 10 VA, 40...400 Hz cos phi 0.9 (at 20 °C) |
| Maximum operating rate | 2400 cyc/h 55 °C |
| Operating time | 40...65 ms closing 100...170 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 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: lugs-ring terminals 1 cable(s) 240 mm ² Power circuit: connector 1 cable(s) 240 mm ² Power circuit: bolted connection |
| Tightening torque | Control circuit: 1.2 N.m Power circuit: 35 N.m |
| Mounting support | Plate |
| Heat dissipation | 8 W |
| Standards | IEC 60947-1 IEC 60947-4-1 EN 60947-1 EN 60947-4-1 JIS C8201-4-1 |
| Product certifications | RINA RMRoS ABS BV LROS (Lloyds register of shipping) DNV CCC CB UL UKCA |
| Compatibility code | LC1F |
| Control circuit type | AC at 40...400 Hz |

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...55 °C |
| Ambient air temperature for storage | -60...80 °C |
| Permissible ambient air temperature around the device | -40...70 °C |
| Height | 203 mm |
| Width | 244.5 mm |
| Depth | 213 mm |
| Operating altitude | 3000 m without derating |
| Product weight | 8.54 kg |

Packing Units

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|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 25.0 cm |

| | |
|------------------|----------|
| Package 1 Width | 25.0 cm |
| Package 1 Length | 30.0 cm |
| Package 1 Weight | 9.489 kg |

Contractual warranty

| | |
|----------------------|----|
| 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 >](#)

Use Better

Materials and Substances

SCIP Number **B2d4179a-eb65-40a3-a1ef-d9a33060486f**

EU RoHS Directive [Compliant By Exemption](#)

PVC free **Yes**

Use Longer

Lifetime extension

Repair **No**

Use Again

Repack and remanufacture

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