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



contactor, TeSys F, 3P(3NO), AC-3, <=440V 1000A, coil 220V AC

LC1F1000M7

Main

| Range | TeSys |
|--------------------------------|--|
| Range of product | TeSys F |
| Product or component type | Contactor |
| Device short name | LC1F |
| Contactor application | Motor control Resistive load |
| Utilisation category | AC-1 AC-3 |
| Poles description | 3P |
| [Ue] rated operational voltage | <= 440 V AC 50/60 Hz |
| [Uc] control circuit voltage | 220 V AC 40400 Hz |
| [le] rated operational current | 1250 A (at <40 °C) at <= 440 V AC AC-1 1000 A (at <55 °C) at <= 440 V AC AC-3 |

Complementary

| [Uimp] rated impulse withstand voltage | 8 kV |
|---|---------------------------------------|
| [Ith] conventional free air thermal current | 1250 A (at 40 °C) |
| Rated breaking capacity | 8 kA conforming to IEC 60947-4-1 |
| [lcw] rated short-time withstand | 10000 A 40 °C - 10 s |
| current | 7500 A 40 °C - 30 s |
| | 5500 A 40 °C - 1 min |
| | 4200 A 40 °C - 3 min |
| | 3000 A 40 °C - 10 min |
| Associated fuse rating | 1400 A gG at <= 440 V |
| Average impedance | 0.1 mOhm - Ith 1250 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 | 200 W AC-1 |
| Overvoltage category | III |
| power pole contact composition | 3 NO |
| Maximum operating rate | 600 cyc/h 55 °C |
| Operating time | 4080 ms closing 100200 ms opening |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| Connections - terminals | Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end | |
|-------------------------|--|--|
| | Control circuit: screw clamp terminals 1 cable(s) 14 mm reside without cable end | |
| | Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible with cable end | |
| | Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end | |
| | Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end | |
| | Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end | |
| | Power circuit: bar 3 cable(s) | |
| | Power circuit: bar 4 cable(s) | |
| Mounting support | Plate | |
| motor power range | 315 kW at 220230 V 3 phases | |
| | 560 kW at 380400 V 3 phases | |
| | 630 kW at 415 V 3 phases | |
| | 670 kW at 440 V 3 phases | |
| Motor starter type | Direct on-line contactor | |
| Contactor coil voltage | 220 V AC standard | |
| Standards | EN 60947-1 | |
| | IEC 60947-4-1 | |
| | EN 60947-4-1 | |
| | IEC 60947-1 | |
| Product certifications | ccc | |
| | CSA | |
| | CB | |
| | UKCA | |
| Compatibility code | LC1F | |
| Control circuit type | AC at 40400 Hz | |
| En inonmont | | |
| Environment | | |
| IP degree of protection | IP20 front face with shrouds conforming to IEC 60529 | |

| 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 | -540 °C |
| Ambient air temperature for storage | -6080 °C |
| Permissible ambient air temperature around the device | -4060 °C |
| Height | 332 mm |
| Width | 438 mm |
| Depth | 238.6 mm |
| Operating altitude | 3000 m without derating |
| Net weight | 31 kg |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|---------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 36.1 cm |
| Package 1 Width | 48.3 cm |
| Package 1 Length | 60.3 cm |
| Package 1 Weight | 23.0 kg |



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 | |
|---|-------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 9922 |
| Environmental Disclosure | Product Environmental Profile |

Use Better

| Materials and Substances | |
|--|---------------------------|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant with Exemptions |
| REACh Regulation | REACh Declaration |

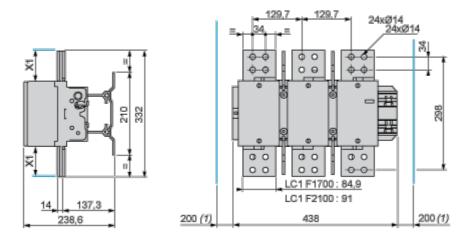
Use Again

| ○ Repack and remanufacture | |
|----------------------------|---|
| Circularity Profile | End of Life Information |
| Take-back | No |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

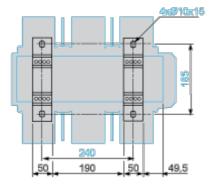
Dimensions Drawings

Dimensions and Drawings

LC1 F1000



(1) Minimum distance required for coil removal.



NOTE: X1 (mm) = Minimum electrical clearance according to operating voltage and breaking capacity.

| Voltage | 200500 V | 6901000 V |
|---------|----------|-----------|
| X1 (mm) | 90 | 100 |