



Main

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| Range | TeSys |
| Product name | TeSys F |
| Product or component type | Contactors |
| Device short name | LC1F |
| Contactors application | Resistive load Motor control |
| Utilisation category | AC-3 AC-1 AC-4 |
| Poles description | 3P |
| Power pole contact composition | 3 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-1 630 A (≤ 55 °C) at ≤ 440 V AC AC-3 |
| Motor power kW | 335 kW at 380...400 V AC 50/60 Hz AC-3 375 kW at 415 V AC 50/60 Hz AC-3 400 kW at 440 V AC 50/60 Hz AC-3 400 kW at 500 V AC 50/60 Hz AC-3 450 kW at 1000 V AC 50/60 Hz AC-3 100 kW at 400 V AC 50/60 Hz AC-4 200 kW at 220...240 V AC 50/60 Hz AC-3 450 kW at 660...690 V AC 50/60 Hz AC-3 |

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 |
| Irms rated making capacity | 6300 A AC conforming to IEC 60947-4-1 |
| Rated breaking capacity | 5040 A conforming to IEC 60947-4-1 |

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| [I _{cw}] 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 - I _{th} 1000 A |
| [U _i] 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 48 W AC-3 |
| Mounting support | Plate |
| Standards | IEC 60947-1 EN 60947-4-1 IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 |
| Product certifications | CSA UL LROS (Lloyds register of shipping) DNV ABS BV CB RINA RMRoS |
| Connections - terminals | Power circuit : bolted connection Power circuit : bar 2 x (60 x 5 mm) |
| Tightening torque | Power circuit : 58 N.m |

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 derating |
| Mechanical robustness | Vibrations resistance contactor open 2 Gn, 5...300 Hz Shocks resistance contactor closed 15 Gn for 11 ms Shocks resistance contactor open 6 Gn for 11 ms Vibrations resistance contactor closed 4 Gn, 5...300 Hz |
| Height | 255 mm |
| Width | 309 mm |
| Depth | 304 mm |
| Product weight | 15.5 kg |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0843 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available Product environmental |
| Product end of life instructions | Available End of life manual |

Contractual warranty

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| Warranty period | 18 months |
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