

Product Datasheet

Characteristic

LC1F265

TeSys F contactor - 3P(3 NO) - AC-3 - \leq 440 V 265 A - without coil



Main

| | |
|---------------------------|---------------------------------|
| range | TeSys |
| product or component type | contactor |
| product name | TeSys F |
| device short name | LC1F |
| contactor application | motor control resistive load |

Complementary

| | |
|---|---|
| utilisation category | AC-1 AC-3 AC-4 |
| poles description | 3P |
| pole contact composition | 3 NO |
| System Voltage | \leq 1000 V AC 50/60 Hz \leq 460 V DC |
| [Ie] rated operational current | 350 A (\leq 104 °F (40 °C)) at \leq 440 V AC AC-1 265 A (\leq 131 °F (55 °C)) at \leq 440 V AC AC-3 |
| motor power kW | 132 kW at 380...400 V AC 50/60 Hz AC-3 140 kW at 415 V AC 50/60 Hz AC-3 140 kW at 440 V AC 50/60 Hz AC-3 147 kW at 1000 V AC 50/60 Hz AC-3 160 kW at 500 V AC 50/60 Hz AC-3 75 kW at 220...240 V AC 50/60 Hz AC-3 160 kW at 660...690 V AC 50/60 Hz AC-3 51 kW at 400 V AC 50/60 Hz AC-4 |
| [Uimp] rated impulse withstand voltage | (8 kV |
| overvoltage category | III |
| [Ith] conventional free air thermal current | 350 A at \leq 104 °F (40 °C) |
| Irms rated making capacity | 2650 A AC conforming to IEC 60947-4-1 |
| rated breaking capacity | 2120 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 2200 A \leq 104 °F (40 °C) 10 s 1230 A \leq 104 °F (40 °C) 30 s 950 A \leq 104 °F (40 °C) 1 min 620 A \leq 104 °F (40 °C) 3 min 480 A \leq 104 °F (40 °C) 10 min |
| associated fuse rating | 315 A aM at \leq 440 V |

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| | 400 A gG at <= 440 V |
| average impedance | 0.3 mOhm at 50 Hz - Ith 350 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 | 37 W: AC-1 21 W: AC-3 |
| connections - terminals | power circuit: bar 2 x (32 x 4 mm) power circuit: lugs-ring terminals 1 cable(s) 0.37 in ² (240 mm ²) power circuit: connector 1 cable(s) 0.37 in ² (240 mm ²) power circuit : bolted connection |
| tightening torque | power circuit: 309.73 lbf.in (35 N.m) |
| mounting support | plate |
| mechanical robustness | vibrations (contactor open): 2 Gn, 5...300 Hz shocks contactor closed 15 Gn for 11 ms shocks contactor open 6 Gn for 11 ms vibrations (contactor closed): 5 Gn, 5...300 Hz |
| height | 7.99 in (203 mm) |
| width | 7.93 in (201.5 mm) |
| depth | 8.39 in (213 mm) |
| product weight | 18.83 lb(US) (8.54 kg) |

Environment

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|---|---|
| standards | EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 |
| product certifications | ABS BV CSA DNV LROS (Lloyds register of shipping) RINA RMRoS UL CB |
| 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 | 23...131 °F (-5...55 °C) |
| ambient air temperature for storage | -76...176 °F (-60...80 °C) |
| permissible ambient air temperature around the device | -40...158 °F (-40...70 °C) |
| operating altitude | 9842.52 ft (3000 m) without derating in temperature |

Offer Sustainability

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