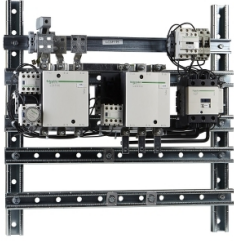


Product data sheet

Specifications



TeSys F - star delta starter - 3 x 3P (3 NO) - 150 A - 230 V AC coil

LC3F150M7

⚠ Discontinued on: Jul 12, 2021

⚠ Discontinued

Main

| | |
|--|---|
| Range | TeSys |
| Product name | TeSys F |
| Product or Component Type | Star delta starter |
| Device short name | LC3F |
| Contactor application | Motor control |
| Utilisation category | AC-3 |
| Device presentation | Pre-wired |
| Poles description | 3 x 3P |
| power pole contact composition | 3 x 3 NO |
| [Ue] rated operational voltage | Power circuit <= 1000 V AC 16 Hz 2/3...200 Hz |
| [Ie] rated operational current | 150 A (at <131 °F (55 °C)) at <= 440 V AC AC-3 for power circuit |
| Motor power kW | 69 kW 220/230 V AC 50/60 Hz 130 kW 380/400 V AC 50/60 Hz 173 kW 415 V AC 50/60 Hz 173 kW 440 V AC 50/60 Hz |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 230 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ui] rated insulation voltage | 1000 V IEC 60947-4-1 1500 V VDE 0110 group C |
| Interlocking type | Without start delta mechanical interlock |
| Mounting Support | Plate |
| Standards | IEC 60947-1 EN 60947-1 EN 60947-4-1 IEC 60947-4-1 JIS C8201-4-1 |
| Product Certifications | UL LROS (Lloyds register of shipping) ABS RMRoS CSA CB DNV RINA CCC |

Complementary

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

| | |
|--|--|
| [Ith] conventional free air thermal current | 250 A 104 °F (40 °C) |
| Irms rated making capacity | 1500 A IEC 60947-4-1 |
| Rated breaking capacity | 1200 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 1200 A 104 °F (40 °C) - 10 s 700 A 104 °F (40 °C) - 30 s 600 A 104 °F (40 °C) - 1 min 450 A 104 °F (40 °C) - 3 min 350 A 104 °F (40 °C) - 10 min |
| Associated fuse rating | 250 A gG <= 440 V 160 A aM <= 440 V |
| Connections - terminals | Control circuit: screw clamp terminals 1 0.002...0.006 in ² (1...4 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.002...0.006 in ² (1...4 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.002...0.006 in ² (1...4 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.002...0.006 in ² (1...4 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.002...0.006 in ² (1...4 mm ²) - cable stiffness: solid without cable end Power circuit: bar 2 - busbar cross section: 25 x 3 mm Power circuit: bolted connection Power circuit: lugs-ring terminals 1 0.2 in ² (120 mm ²) Power circuit: connector 1 0.2 in ² (120 mm ²) |
| connections bolt diameter | M8 |
| Tightening torque | Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 159.3 lbf.in (18 N.m) |
| Operating time | 23...35 ms closing 5...15 ms opening |
| Mechanical durability | 10 Mcycles |
| Maximum operating rate | 2400 cyc/h 131 °F (55 °C) |
| Starting time | 20 s |
| Control circuit voltage limits | Operational: 0.85...1.1 Uc at 50/60 Hz (at <131 °F (55 °C)) Drop-out: 0.35...0.55 Uc at 50/60 Hz (at <131 °F (55 °C)) |
| Inrush power in VA | 550 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C)) 660 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) |
| Hold-in power consumption in VA | 45 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C)) 55 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) |
| Heat dissipation | 12...16 W |

Environment

| | |
|--|---|
| IP degree of protection | IP20 front face with shrouds IEC 60529 IP20 front face with shrouds VDE 0106 |
| Protective treatment | TH |
| Ambient Air Temperature for Storage | -76...176 °F (-60...80 °C) |
| Ambient air temperature for operation | 23...131 °F (-5...55 °C) -40...158 °F (-40...70 °C) at Uc |
| Operating altitude | 9842.52 ft (3000 m) without derating |
| Mechanical robustness | Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed6 Gn, 5...300 Hz Shocks contactor open9 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms |

Ordering and shipping details

| | |
|--------------------------|---------------------------------------|
| Category | 18401-WORLD SERVICE PARTS(CTR ACCESS) |
| Discount Schedule | CP10 |
| GTIN | 3389110227581 |
| Returnability | No |

Packing Units

| | |
|-------------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 13.9 in (35.2 cm) |
| Package 1 Width | 26.0 in (66 cm) |
| Package 1 Length | 29.7 in (75.5 cm) |
| Package weight(Lbs) | 70.5 lb(US) (32 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

EU RoHS Directive

[Compliant](#)

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.