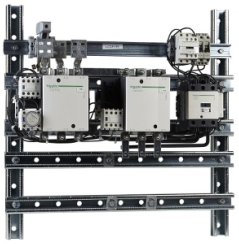
Product data sheet

Specifications



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

LC3F150M7

Discontinued on: Oct 10, 2020

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 <55 °C) at <= 440 V AC AC-3 for power circuit
Motor Power Kw	69 kW at 220/230 V AC 50/60 Hz 130 kW at 380/400 V AC 50/60 Hz 173 kW at 415 V AC 50/60 Hz 173 kW at 440 V AC 50/60 Hz
Control Circuit Type	AC at 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 conforming to IEC 60947-4-1 1500 V conforming to 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

[Ith] Conventional Free Air Thermal Current	250 A 40 °C
Irms Rated Making Capacity	1500 A conforming to IEC 60947-4-1
Rated Breaking Capacity	1200 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	1200 A 40 °C - 10 s 700 A 40 °C - 30 s 600 A 40 °C - 1 min 450 A 40 °C - 3 min 350 A 40 °C - 10 min
Associated Fuse Rating	250 A gG at <= 440 V 160 A aM at <= 440 V
Connections - Terminals	Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1…2.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1…4 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1…4 mm² - 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 1 120 mm² Power circuit: connector 1 120 mm²
Connections Bolt Diameter	M8
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 18 N.m
Operating Time	23...35 ms closing 5...15 ms opening
Mechanical Durability	10 Mcycles
Maximum Operating Rate	2400 cyc/h 55 °C
Starting Time	20 s
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc at 50/60 Hz (at <55 °C) Drop-out: 0.35...0.55 Uc at 50/60 Hz (at <55 °C)
Inrush Power In Va	550 VA 50 Hz cos phi 0.3 (at 20 °C) 660 VA 60 Hz cos phi 0.3 (at 20 °C)
Hold-In Power Consumption In Va	45 VA 50 Hz cos phi 0.3 (at 20 °C) 55 VA 60 Hz cos phi 0.3 (at 20 °C)
Heat Dissipation	12…16 W

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 Storage	-60…80 °C
Ambient Air Temperature For Operation	-5…55 °C -40…70 °C at Uc
Operating Altitude	3000 m without derating
Mechanical Robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 6 Gn, 5...300 Hz Shocks contactor open: 9 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency

RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information