

Lembar data produk

Spesifikasi



TeSys F contactor - 3P(3 NO) - AC-3 - ≤ 440 V 185 A - without coil

LC1F185

⚠ Telah dihentikan pada: 31 Des 2023

⚠ Akan dihentikan

Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Contactor
Device Short Name	LC1F
Contactor Application	Resistive load Motor control
Utilisation Category	AC-3 AC-4 AC-1
Poles Description	3P
Power Pole Contact Composition	3 NO
[Ue] Rated Operational Voltage	≤ 690 V AC 50/60 Hz ≤ 460 V DC
[Ie] Rated Operational Current	275 A (at <40 °C) at ≤ 440 V AC-1 185 A (at <55 °C) at ≤ 440 V AC-3
Motor Power Kw	100 kW at 415 V AC 50/60 Hz (AC-3) 100 kW at 440 V AC 50/60 Hz (AC-3) 110 kW at 500 V AC 50/60 Hz (AC-3) 90 kW at 380...400 V AC 50/60 Hz (AC-3) 55 kW at 220...240 V AC 50/60 Hz (AC-3) 110 kW at 660...690 V AC 50/60 Hz (AC-3) 33 kW at 400 V AC 50/60 Hz (AC-4)

Complementary

[Uc] Control Circuit Voltage	24...575 V AC 40...400 Hz with LX9 coil 24...460 V DC with LX4 coil 100...250 V AC 50/60 Hz with LXE coil 100...380 V DC with LXE coil
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	275 A (at 40 °C)
Irms Rated Making Capacity	1850 A conforming to IEC 60947-4-1
Rated Breaking Capacity	1480 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	1500 A 40 °C - 10 s 920 A 40 °C - 30 s 740 A 40 °C - 1 min 500 A 40 °C - 3 min 400 A 40 °C - 10 min

Associated Fuse Rating	200 A aM at ≤ 440 V 315 A gG at ≤ 440 V
Average Impedance	0.33 mOhm - lth 275 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	25 W AC-1 12 W AC-3
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc AC 40...400 Hz with LX9 coil Drop-out: 0.2...0.55 Uc AC 40...400 Hz with LX9 coil Operational: 0.85...1.1 Uc DC with LX4 coil Drop-out: 0.15...0.2 Uc DC with LX4 coil Operational: 85...275 V AC 50/60 Hz with LXE coil Drop-out: 0...60 V AC 50/60 Hz with LXE coil Operational: 85...418 V DC with LXE coil Drop-out: 0...45 V DC with LXE coil
Heat Dissipation	8...9.8 W 2.2...2.5 W
Operating Time	35 ms closing for with LX9 coil 130 ms opening for with LX9 coil 30...40 ms closing for with LX4 coil 30...50 ms opening for with LX4 coil 40...80 ms closing for with LXE coil 6...54 ms opening for with LXE coil
Mounting Support	Plate
Standards	IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-1
Product Certifications	ABS LROS (Lloyds register of shipping) RINA CSA CB UL BV RMRoS DNV UKCA
Connections - Terminals	Power circuit: bar 2 cable(s) - busbar cross section: 25 x 3 mm Power circuit: lugs-ring terminals 1 cable(s) 150 mm ² Power circuit: connector 1 cable(s) 150 mm ² Power circuit: bolted connection Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² solid without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² Control circuit: screw clamp terminals 1.0 cable(s) 0.2...2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 1.0 cable(s) 0.25...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1.0 cable(s) 0.2...2.5 mm ² solid without cable end
Tightening Torque	Power circuit: 18 N.m Control circuit: 1.2 N.m Control circuit: 0.6 N.m
Mechanical Durability	10 Mcycles
Inrush Power In Va	950...1180 VA, 40...400 Hz cos phi 0.9 (at 20 °C)with LX9 coil 737...902 VA (at 20 °C)with LX4 coil 280...310 VA, 50/60 Hz cos phi 0.5 (at 20 °C)with LXE coil 270...320 VA (at 20 °C)with LXE coil

Hold-In Power Consumption In Va	8.9...10.9 VA, 40...400 Hz cos phi 0.9 (at 20 °C)with LX9 coil 4.13...5.07 VA (at 20 °C)with LX4 coil 4.5...7.0 VA, 50/60 Hz cos phi 0.5 (at 20 °C)with LXE coil 2.5...4.0 VA (at 20 °C)with LXE coil
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Compatibility Code	LC1F
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Environment

Ip Degree Of Protection	IP2X front face with shrouds conforming to IEC 60529 IP2X front face with shrouds conforming to VDE 0106
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Protective Treatment	TH
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Ambient Air Temperature For Operation	-5...55 °C
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Ambient Air Temperature For Storage	-60...80 °C
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Permissible Ambient Air Temperature Around The Device	-40...70 °C
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Mechanical Robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 5 Gn, 5...300 Hz Shocks contactor open: 7 Gn for 1/2 sine wave (11 ms) Shocks contactor closed: 15 Gn for 1/2 sine wave (11 ms)
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Height	174 mm
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Width	168.5 mm
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Depth	181 mm
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Net Weight	5.45 kg
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Colour	-
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Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	24.000 cm
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Package 1 Width	27.000 cm
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Package 1 Length	25.000 cm
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Package 1 Weight	4.379 kg
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Unit Type Of Package 2	P06
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Number Of Units In Package 2	12
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Package 2 Height	75.000 cm
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Package 2 Width	60.000 cm
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Package 2 Length	80.000 cm
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Package 2 Weight	61.048 kg
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Contractual warranty

Warranty	12 months
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Keberlanjutan

Green Premium™ label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO₂.

Panduan untuk menilai keberlanjutan produk adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi RoHS/REACH

Kinerja kesejahteraan

Mercury Free

Rohs Exemption Information [Yes](#)

Pvc Free

Sertifikasi & Standar

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

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](#)