Product data sheet

Specifications

Green Premium™

Contactor body,TeSys F,3P(3NO)-AC-3, <=440V 265A without coil

LC1F265

Discontinued on: Jan 31, 2024

To be end-of-service on: Dec 31, 2025

Discontinued

Product availability: Stock - Normally stocked in distribution facility

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
[Ie] Rated Operational Current	350 A 104 °F (40 °C)) <= 440 V AC AC-1 265 A 131 °F (55 °C)) <= 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)

Complementary

[Uc] Control Circuit Voltage	24...1000 V AC 40...400 Hz with LX1/LX9 coil 24...460 V DC with LX4 coil 100...250 V AC 50/60 Hz with LXE coil 100...380 V with LXE coil
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	350 A (at 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 104 °F (40 °C) - 10 s 1230 A 104 °F (40 °C) - 30 s 950 A 104 °F (40 °C) - 1 min 620 A 104 °F (40 °C) - 3 min 480 A 104 °F (40 °C) - 10 min

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Associated Fuse Rating	315 A aM at <= 440 V 400 A gG at <= 440 V
Average Impedance	0.3 mOhm - Ith 350 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power Dissipation Per Pole	37 W AC-1 21 W AC-3
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc AC 40...400 Hz with LX1/LX9 coil Drop-out: 0.35...0.55 Uc AC 40...400 Hz with LX1/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 W 2.2…2.5 W
Operating Time	40...65 ms closing with LX1/LX9 coil 100...170 ms opening with LX1/LX9 coil 40...50 ms closing with LX4 coil 40...65 ms opening with LX4 coil 40...80 ms closing with LXE coil 6...54 ms opening with LXE coil
Mounting Support	Plate
Standards	IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-1 EN 60947-4-1
Product Certifications	ABS CB DNV RMRoS UL CSA RINA LROS (Lloyds register of shipping) BV UKCA
Connections - Terminals	Power circuit bar 2 32 x 4 mm Power circuit lugs-ring terminals 1 0.37 in² (240 mm²) Power circuit connector 1 0.37 in² (240 mm²) Power circuit bolted connection Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.00…0.01 in² (1…4 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²)solid without cable end Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²) Control circuit screw clamp terminals 2 0.00…0.01 in² (1…4 mm²) Control circuit screw clamp terminals 1.0 0.00…0.00 in² (0.2…2.5 mm²)flexible without cable end Control circuit screw clamp terminals 1.0 0.00…0.00 in² (0.25…2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1.0 0.00…0.00 in² (0.2…2.5 mm²)solid without cable end
Tightening Torque	Power circuit 309.78 lbf.in (35 N.m) Control circuit 10.62 lbf.in (1.2 N.m) Control circuit 5.31 lbf.in (0.6 N.m)
Mechanical Durability	10 Mcycles
Inrush Power In Va	600…700 VA, 40...400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX1/LX9 coil 655…803 VA (at 68 °F (20 °C))with LX4 coil 300…350 VA, 50/60 Hz cos phi 0.5 (at 68 °F (20 °C))with LXE coil 300…310 VA (at 68 °F (20 °C))with LXE coil

Hold-In Power Consumption In Va	8…10 VA, 40...400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX1/LX9 coil 3.68…4.53 VA (at 68 °F (20 °C))with LX4 coil 4.5…7.0 VA, 50/60 Hz cos phi 0.5 (at 68 °F (20 °C))with LXE coil 2.5…4.0 VA (at 68 °F (20 °C))with LXE coil
Maximum Operating Rate	2400 cyc/h 131 °F (55 °C)
Compatibility Code	LC1F
[Ue] Rated Operational Voltage	<= 1000 V AC-1 <= 690 V AC-3 <= 690 V AC-4 <= 460 V DC

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 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
Mechanical Robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed5 Gn, 5...300 Hz Shocks contactor open6 Gn for 1/2 sine wave (11 ms) Shocks contactor closed15 Gn for 1/2 sine wave (11 ms)
Height	7.99 in (203 mm)
Width	7.93 in (201.5 mm)
Depth	8.39 in (213 mm)
Net Weight	18.83 lb(US) (8.54 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
Gtin	3389110122459
Returnability	Yes
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.84 in (25.000 cm)
Package 1 Width	9.84 in (25.000 cm)
Package 1 Length	11.02 in (28.000 cm)
Package 1 Weight	15.78 lb(US) (7.159 kg)
Unit Type Of Package 2	P06
Number Of Units In Package 2	12
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)

Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	209.75 lb(US) (95.140 kg)

Contractual warranty

Warranty	18 months

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

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
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov