

# Product data sheet

Specifications



contactor, TeSys F, 3P(3NO), AC-3,  
<=440V 265 A, coil 550...600V AC

LC1F265X7

## Main

Range	TeSys
Range Of Product	TeSys F
Product Or Component Type	Contactor
Device Short Name	LC1F
Contactor Application	Motor control Resistive load
Utilisation Category	AC-4 AC-1 AC-3
Poles Description	3P
[Ue] Rated Operational Voltage	<= 1000 V AC-1 <= 690 V AC-3 <= 690 V AC-4 <= 460 V DC
[Uc] Control Circuit Voltage	550...600 V AC 40...400 Hz
[Ie] Rated Operational Current	350 A (at <40 °C) at <= 440 V AC AC-1 265 A (at <55 °C) at <= 440 V AC AC-3

## Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	350 A (at 40 °C)
Rated Breaking Capacity	2120 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	2200 A 40 °C - 10 s 1230 A 40 °C - 30 s 950 A 40 °C - 1 min 620 A 40 °C - 3 min 480 A 40 °C - 10 min
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 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
Overvoltage Category	III
Power Pole Contact Composition	3 NO

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

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) 160 kW at 500 V AC 50/60 Hz (AC-3) 160 kW at 660...690 V AC 50/60 Hz (AC-3) 147 kW at 1000 V AC 50/60 Hz (AC-3) 75 kW at 220...230 V AC 50/60 Hz (AC-3) 51 kW at 400 V AC 50/60 Hz (AC-4)
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc 40...400 Hz (at 55 °C) Drop-out: 0.15...0.2 Uc 40...400 Hz (at 55 °C)
Mechanical Durability	10 Mcycles
Inrush Power In Va	650 VA, 40...400 Hz cos phi 0.9 (at 20 °C)
Hold-In Power Consumption In Va	10 VA, 40...400 Hz cos phi 0.9 (at 20 °C)
Maximum Operating Rate	2400 cyc/h 55 °C
Operating Time	40...65 ms closing 100...170 ms opening
Connections - Terminals	Control circuit: screw clamp terminals 1 cable(s) 1...4 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm²solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: lugs-ring terminals 1 cable(s) 240 mm² Power circuit: connector 1 cable(s) 240 mm² Power circuit: bolted connection
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 35 N.m
Mounting Support	Plate
Heat Dissipation	8 W
Standards	EN 60947-1 IEC 60947-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-4-1
Product Certifications	CCC RINA CB BV RMRoS UL DNV LROS (Lloyds register of shipping) ABS UKCA
Compatibility Code	LC1F
Control Circuit Type	AC at 40...400 Hz

## 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 Operation	-5...55 °C
Ambient Air Temperature For Storage	-60...80 °C
Permissible Ambient Air Temperature Around The Device	-40...70 °C
Height	203 mm
Width	201.5 mm

Depth	213 mm
Operating Altitude	3000 m without derating
Net Weight	7.44 kg

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	24.0 cm
Package 1 Width	24.0 cm
Package 1 Length	27.0 cm
Package 1 Weight	7.6 kg

## Contractual warranty

Warranty	18 months
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## 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<sub>2</sub> 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](#)

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>
California Proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>