

# Product data sheet

Specifications



## TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 265 A - coil 100-250V AC/100-380V DC

LC1F265KUE

 **Discontinued on:** Oct 31, 2023

 **Discontinued**

### Main

Range	TeSys
Range Of Product	TeSys F
Product Or Component Type	Contactors
Device Short Name	LC1F
Contactors Application	Resistive load Motor control
Utilisation Category	AC-1 AC-3 AC-4
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	100...250 V AC 50/60 Hz 100...380 V DC
[Ie] Rated Operational Current	350 A (at <40 °C) at <= 440 V AC-1 265 A (at <55 °C) at <= 440 V AC-3

### Complementary

[Uimp] Rated Impulse Withstand Voltage	6 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	400 A gG at <= 440 V 315 A aM at <= 440 V
Average Impedance	0.3 mOhm - Ith 350 A 50 Hz
[Ui] Rated Insulation Voltage	380 V conforming to IEC 60947-4-1
Power Dissipation Per Pole	37 W AC-1 21 W AC-3
Overvoltage Category	III
Power Pole Contact Composition	3 NO
Irms Rated Making Capacity	2650 A conforming to IEC 60947-4-1

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

Control Circuit Voltage Limits	Operational: 85...275 V AC 50/60 Hz (at 55 °C) Operational: 85...418 V DC (at 55 °C) Drop-out: 0...60 V AC 50/60 Hz (at 55 °C) Drop-out: 0...45 V DC (at 55 °C)
Mechanical Durability	10 Mcycles
Inrush Power In Va	300...350 VA, 50/60 Hz cos phi 0.5 (at 20 °C)
Inrush Power In W	300...310 W (at 20 °C)
Hold-In Power Consumption In W	2.5...4 W at 20 °C
Hold-In Power Consumption In Va	4.5...7 VA, 50/60 Hz cos phi 0.5 (at 20 °C)
Maximum Operating Rate	2400 cyc/h 55 °C
Operating Time	40...80 ms closing 6...54 ms opening
Connections - Terminals	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 Control circuit: screw clamp terminals 1 cable(s) 0.2...2.5 mm²solid Control circuit: screw clamp terminals 1 cable(s) 0.2...2.5 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 0.25...2.5 mm²flexible with cable end
Tightening Torque	Power circuit: 35 N.m Control circuit: 0.6 N.m
Mounting Support	Plate
Input Compatibility	PLC 24 V DC conforming to IEC 61131-2 Type 2
Input Voltage Limits	0...5 V off-state for PLC input 11...30 V on-state for PLC input
Heat Dissipation	2.2...5.5 W
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1
Product Certifications	CCC CB UKCA
Compatibility Code	LC1F
Control Circuit Type	AC at 50/60 Hz electronic DC

## Environment

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	-5...55 °C
Height	203 mm
Width	201.5 mm
Depth	213 mm
Operating Altitude	3000 m without derating
Net Weight	8.44 kg

## Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
Package 1 Height	21.3 cm
Package 1 Width	20.3 cm
Package 1 Length	20.15 cm
Package 1 Weight	9.44 kg

# 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.

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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>
Circularity Profile	<a href="#">End of Life Information</a>