

Product data sheet

Specifications



TeSys F Contactor - 3P (3 NO) - AC1 - <= 1000 V AC 2600 A - coil 110 V DC

LC1F2600FD

ⓘ Discontinued

Main

Range	TeSys
Range Of Product	TeSys F
Product Or Component Type	Contactors
Device Short Name	LC1F
Contactors Application	Resistive load
Utilisation Category	AC-1
Poles Description	3P
[Ue] Rated Operational Voltage	<= 1000 V AC 50/60 Hz
[Uc] Control Circuit Voltage	110 V DC
[Ie] Rated Operational Current	2600 A (at <60 °C) AC AC-1

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	2600 A (at 60 °C)
Rated Breaking Capacity	3900 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	12000 A 40 °C - 10 s 9000 A 40 °C - 30 s 7000 A 40 °C - 1 min 6000 A 40 °C - 3 min 4000 A 40 °C - 10 min
Associated Fuse Rating	2500 A gG at <= 440 V
Average Impedance	0.1 mOhm - Ith 2600 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V conforming to IEC 60947-4-1 1000 V conforming to UL 60947-4-1
Power Dissipation Per Pole	250 W AC-1
Overvoltage Category	III
Power Pole Contact Composition	3 NO
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc (at 55 °C) Drop-out: 0.2...0.35 Uc (at 55 °C)
Inrush Power In W	2600 W (at 20 °C)
Hold-In Power Consumption In W	18 W at 20 °C
Maximum Operating Rate	600 cyc/h 55 °C

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

Operating Time	60...70 ms closing 40...50 ms opening
Connections - Terminals	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 without 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 flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end Power circuit: bar 3 cable(s) - busbar cross section: 100 x 10 mm
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 58 N.m
Mounting Support	Plate
Heat Dissipation	40 W
Standards	EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	CB Scheme CCC CSA UL UKCA EAC
Compatibility Code	LC1F
Control Circuit Type	DC standard

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...40 °C
Ambient Air Temperature For Storage	-60...80 °C
Permissible Ambient Air Temperature Around The Device	-40...60 °C
Height	382 mm
Width	519 mm
Depth	251 mm
Operating Altitude	3000 m without derating
Net Weight	36 kg

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-CO₂ 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

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