

Product data sheet

Specifications



TeSys F contactor - 3P (3 NO) - AC-1 - <= 690 V 1260 A - coil 550...600 V AC

LC1F1250X7

⚠ Discontinued

Main

Range	TeSys
Range Of Product	TeSys F
Product Or Component Type	Contactor
Device Short Name	LC1F
Contactor Application	Resistive load
Utilisation Category	AC-1
Poles Description	3P
[Ue] Rated Operational Voltage	<= 460 V DC <= 690 V AC 50/60 Hz
[Uc] Control Circuit Voltage	550...600 V AC 40...400 Hz
[Ie] Rated Operational Current	1260 A (at <40 °C) AC-1

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	1260 A (at 40 °C)
Rated Breaking Capacity	1890 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	3000 A 40 °C - 3 min 8000 A 40 °C - 10 s 5200 A 40 °C - 30 s 4000 A 40 °C - 1 min 2000 A 40 °C - 10 min
Associated Fuse Rating	1000 A gG at <= 440 V
Average Impedance	0.12 mOhm - Ith 1260 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	120 W AC-1
Overvoltage Category	III
Power Pole Contact Composition	3 NO
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc 40...400 Hz (at 55 °C) Drop-out: 0.25...0.5 Uc 40...400 Hz (at 55 °C)
Inrush Power In Va	1650 VA, 40...400 Hz cos phi 0.9 (at 20 °C)
Hold-In Power Consumption In Va	22 VA, 40...400 Hz cos phi 0.9 (at 20 °C)
Maximum Operating Rate	1200 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	40...80 ms closing 100...200 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: 100 x 5 mm
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 58 N.m
Mounting Support	Plate
Heat Dissipation	20 W
Standards	IEC 60947-1 EN 60947-4-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-1
Product Certifications	CB UL CSA CQC CE UKCA CCC
Compatibility Code	LC1F
Control Circuit Type	AC at 40...400 Hz

Environment

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	338 mm
Width	309 mm
Depth	255 mm
Operating Altitude	3000 m without derating
Net Weight	19 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

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-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 >](#)

Well-being performance

	Mercury Free	
	Rohs Exemption Information	Yes
Eu Rohs Directive	Compliant	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration	Product out of China RoHS scope. Substance declaration for your information