Product data sheet

Specifications

contactor, TeSys F, 3P(3NO), AC-1, <=690V 1260 A, coil 110V AC

LC1F1250F7

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 8,525.00 USD

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	110 V AC 40...400 Hz
[Ie] Rated Operational Current	1260 A (at <104 °F (40 °C)) AC-1

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	1260 A (at 104 °F (40 °C))
Rated Breaking Capacity	1890 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	3000 A 104 °F (40 °C) - 3 min 8000 A 104 °F (40 °C) - 10 s 5200 A 104 °F (40 °C) - 30 s 4000 A 104 °F (40 °C) - 1 min 2000 A 104 °F (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 IEC 60947-4-1 1500 V 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 131 °F (55 °C)) Drop-out 0.25...0.5 Uc 40...400 Hz 131 °F (55 °C))
Inrush Power In Va	1650 VA, 40...400 Hz 0.9 68 °F (20 °C))
Hold-In Power Consumption In Va	22 VA, 40...400 Hz 0.9 68 °F (20 °C))
Maximum Operating Rate	1200 cyc/h 131 °F (55 °C)

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

Operating Time	40...80 ms closing 100...200 ms opening
Connections - Terminals	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 without 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)flexible with cable end Control circuit screw clamp terminals 1 0.00…0.01 in² (1…4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.00…0.01 in² (1…4 mm²)solid without cable end Power circuit bar 2 100 x 5 mm Power circuit bolted connection
Tightening Torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 513.34 lbf.in (58 N.m)
Mounting Support	Plate
Heat Dissipation	20 W
Standards	EN 60947-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-4-1
Product Certifications	CB UL CSA CQC CE UKCA CCC
Compatibility Code	LC1F
Control Circuit Type	AC 40...400 Hz

Environment

Protective Treatment	TH
Ambient Air Temperature For Operation	23…104 °F (-5…40 °C)
Ambient Air Temperature For Storage	-76…176 °F (-60…80 °C)
Permissible Ambient Air Temperature Around The Device	-40…140 °F (-40…60 °C)
Height	13.31 in (338 mm)
Width	12.17 in (309 mm)
Depth	10.04 in (255 mm)
Operating Altitude	9842.52 ft (3000 m) without derating
Net Weight	41.89 lb(US) (19 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
Gtin	3606485242552
Returnability	No
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	12.99 in (33.0 cm)
Package 1 Width	14.57 in (37.0 cm)
Package 1 Length	17.32 in (44.0 cm)
Package 1 Weight	44.31 lb(US) (20.1 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

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