



Contactor body, TeSys F, 3P(3NO), AC-1, <=1000V AC 2100A without coil

LC1F2100

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

Price*: 11,330.00 USD

Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Contactor
Device short name	LC1F
contactor application	Resistive load
Utilisation category	AC-1
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[le] rated operational current	2100 A 104 °F (40 °C)) <= 440 V AC AC-1

Complementary

[Uc] control circuit voltage	110500 V AC 40400 Hz with LX1/LX9 coil 110440 V DC with LX4 coil
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	2100 A (at 104 °F (40 °C))
Irms rated making capacity	3150 A AC conforming to IEC 60947-4-1
Rated breaking capacity	3150 A for power circuit conforming to IEC 60947-4-1
[lcw] rated short-time withstand current	10000 A 104 °F (40 °C) - 10 s for power circuit 7500 A 104 °F (40 °C) - 30 s 5500 A 104 °F (40 °C) - 1 min 4200 A 104 °F (40 °C) - 3 min 3000 A 104 °F (40 °C) - 10 min
Associated fuse rating	2000 A gG at <= 440 V for power circuit conforming to IEC 60947-4-1
Average impedance	0.1 mOhm - Ith 2100 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C 1000 V UL 60947-4-1
Power dissipation per pole	200 W AC-1
Control circuit voltage limits	Operational: 0.851.1 Uc AC 40400 Hz with LX1/LX9 coil Drop-out: 0.30.55 Uc AC 40400 Hz with LX1/LX9 coil Operational: 0.85

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Drop-out: 0.2...0.35 Uc DC with LX4 coil

Heat dissipation	18 W
Operating time	4075 ms closing with LX1/LX9 coil 100170 ms opening with LX1/LX9 coil 5060 ms closing with LX4 coil
	4560 ms opening with LX4 coil
Mounting Support	Plate
Standards	JIS C8201-4-1 EN 60947-1 EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	CCC UL CB Scheme CSA EAC UKCA
Connections - terminals	Power circuit bar 4 Power circuit bolted connection Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²)solid without cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²) Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)
Tightening torque	Power circuit 513.3 lbf.in (58 N.m) Control circuit 10.6 lbf.in (1.2 N.m)
Mechanical durability	0.5 Mcycles
Inrush power in VA	16002400 VA, 40400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX1/LX9 coil 20002200 VA (at 68 °F (20 °C))with LX4 coil
Hold-in power consumption in VA	2937 VA, 40400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX1/LX9 coil 810 VA (at 68 °F (20 °C))with LX4 coil
Maximum operating rate	600 cyc/h 131 °F (55 °C)
Environment	
Protective treatment	тн
Ambient Air Temperature for Operation	23104 °F (-540 °C)
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)
Permissible ambient air temperature around the device	-40140 °F (-4060 °C)
Operating altitude	9842.52 ft (3000 m) without derating
Mechanical robustness	Vibrations contactor open2 Gn, 5300 Hz Vibrations contactor closed4 Gn, 5300 Hz Shocks contactor open6 Gn for 1/2 sine wave (11 ms) Shocks contactor closed15 Gn for 1/2 sine wave (11 ms)
Height	13.07 in (332 mm)
Width	17.2 in (438 mm)
Depth	9.4 in (238.6 mm)

Ordering and shipping details

Net Weight

68.3 lb(US) (31 kg)

Category	US10I1222336
Discount Schedule	0112
GTIN	3389118372658
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.0 in (38.0 cm)
Package 1 Width	19.7 in (50.0 cm)
Package 1 Length	23.6 in (60.0 cm)
Package 1 Weight	68.3 lb(US) (31.0 kg)

Contractual warranty

Warranty 18 months

Sustainability Screen Premium*

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass 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

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
Circularity Profile	End of Life Information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Environmental Disclosure	Product Environmental Profile
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Eu Rohs Directive	Compliant with Exemptions
Reach Regulation	REACh Declaration

Oct 11, 2024