Product data sheet

Specifications





() Discontinued

TeSys F contactor - 3P (3 NO) -AC-3 - <= 440 V 330 A - coil 208 V AC

LC1F330L7

(Discontinued on: Jun 15, 2023

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys	
Range of Product	TeSys F	
Product or Component Type	Contactor	
Device short name	LC1F	
contactor application	Resistive load Motor control	
Utilisation category	AC-4 AC-1 AC-3	
poles description	3P	
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC	
[Uc] control circuit voltage	208 V AC 40400 Hz	
[le] rated operational current	400 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 330 A (at <131 °F (55 °C)) at <= 440 V AC AC-3	

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	400 A (at 104 °F (40 °C))
Rated breaking capacity	2640 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2650 A 104 °F (40 °C) - 10 s 1800 A 104 °F (40 °C) - 30 s 1300 A 104 °F (40 °C) - 1 min 900 A 104 °F (40 °C) - 3 min 750 A 104 °F (40 °C) - 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V
Average impedance	0.28 mOhm - Ith 400 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	44 W AC-1 31 W AC-3
Overvoltage category	III
power pole contact composition	3 NO

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

160 kW at 380400 V AC 50/60 Hz (AC-3)
180 kW at 415 V AC 50/60 Hz (AC-3)
200 kW at 440 V AC 50/60 Hz (AC-3)
200 kW at 500 V AC 50/60 Hz (AC-3)
220 kW at 660690 V AC 50/60 Hz (AC-3)
160 kW at 1000 V AC 50/60 Hz (AC-3)
100 kW at 220230 V AC 50/60 Hz (AC-3)
59 kW at 400 V AC 50/60 Hz (AC-4)
Operational 0.851.1 Uc 40400 Hz 131 °F (55 °C))
Drop-out 0.350.55 Uc 40400 Hz 131 °F (55 °C))
10 Mcycles
650 VA, 40400 Hz 0.9 68 °F (20 °C))
10 VA, 40400 Hz 0.9 68 °F (20 °C))
2400 cyc/h 131 °F (55 °C)
4065 ms closing
100170 ms opening
Control circuit screw clamp terminals 1 0.0020.006 in ² (14 mm ²)flexible without
cable end Control circuit screw clamp terminals 2 0.0020.006 in ² (14 mm ²)flexible without
cable end Control circuit screw clamp terminals 1 0.0020.006 in ² (14 mm ²)flexible with
cable end Control circuit screw clamp terminals 2 0.0020.004 in ² (12.5 mm ²)flexible with
cable end Control circuit screw clamp terminals 1 0.0020.006 in ² (14 mm ²)solid without
cable end
Control circuit screw clamp terminals 2 0.0020.006 in ² (14 mm ²)solid without
cable end
Power circuit lugs-ring terminals 1 0.4 in ² (240 mm ²)
Power circuit bar 2 30 x 5 mm Power circuit bolted connection
Control circuit 10.6 lbf.in (1.2 N.m)
Power circuit 309.8 lbf.in (35 N.m)
Plate
8 W
EN 60947-4-1
JIS C8201-4-1
IEC 60947-1
EN 60947-1
IEC 60947-4-1
RINA
RINA BV
BV
BV RMRoS
BV RMRoS UL
BV RMRoS UL LROS (Lloyds register of shipping)
BV RMRoS UL LROS (Lloyds register of shipping) CB
BV RMRoS UL LROS (Lloyds register of shipping) CB DNV
BV RMRoS UL LROS (Lloyds register of shipping) CB DNV CCC
BV RMRoS UL LROS (Lloyds register of shipping) CB DNV CCC ABS
BV RMRoS UL LROS (Lloyds register of shipping) CB DNV CCC ABS UKCA

Environment

IP degree of protection	IP20 front face with shrouds IEC 60529 IP20 front face with shrouds VDE 0106
Protective treatment	тн
Ambient Air Temperature for Operation	23131 °F (-555 °C)
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)

Permissible ambient air temperature around the device	-40158 °F (-4070 °C)
Height	8.1 in (206 mm)
Width	8.4 in (213 mm)
Depth	8.6 in (219 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	19.0 lb(US) (8.6 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0112
GTIN	3389110460247
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	
Unit Type of Fackage 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.8 in (25.0 cm)
Package 1 Width	9.8 in (25.0 cm)
Package 1 Length	12.2 in (31.0 cm)
Package 1 Weight	20.06 lb(US) (9.1 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

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