## **Product data sheet**

Specifications





() Discontinued

# TeSys F contactor - 3P (3 NO) -AC-3 - <= 440 V 400 A - coil 380 V AC

LC1F400Q7

() Discontinued on: Jun 15, 2023

Product availability: Non-Stock - Not 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	380 V AC 40400 Hz
[le] rated operational current	500 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 400 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	500 A (at 104 °F (40 °C))
Rated breaking capacity	3200 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3600 A 104 °F (40 °C) - 10 s 2400 A 104 °F (40 °C) - 30 s 1700 A 104 °F (40 °C) - 1 min 1200 A 104 °F (40 °C) - 3 min 1000 A 104 °F (40 °C) - 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V
Average impedance	0.26 mOhm - Ith 500 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	65 W AC-1 42 W AC-3
Overvoltage category	III
power pole contact composition	3 NO

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

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

Motor power kW	75 kW at 400 V AC 50/60 Hz (AC-4)
	200 kW at 380400 V AC 50/60 Hz (AC-3)
	220 kW at 415 V AC 50/60 Hz (AC-3)
	250 kW at 440 V AC 50/60 Hz (AC-3)
	257 kW at 500 V AC 50/60 Hz (AC-3)
	280 kW at 660690 V AC 50/60 Hz (AC-3)
	185 kW at 1000 V AC 50/60 Hz (AC-3)
	110 kW at 220230 V AC 50/60 Hz (AC-3)
Control circuit voltage limits	Operational 0.851.1 Uc 40400 Hz 131 °F (55 °C))
	Drop-out 0.30.5 Uc 40400 Hz 131 °F (55 °C))
Mechanical durability	10 Mcycles
	•
Inrush power in VA	1075 VA, 40400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	15 VA, 40400 Hz 0.9 68 °F (20 °C))
Maximum operating rate	2400 avo/b 121 °E (EE °C)
	2400 cyc/h 131 °F (55 °C)
Operating time	4065 ms closing
	100170 ms opening
<b>Connections - terminals</b>	Control circuit screw clamp terminals 1 0.0020.006 in <sup>2</sup> (14 mm <sup>2</sup> )flexible without
	cable end
	Control circuit screw clamp terminals 2 0.0020.006 in <sup>2</sup> (14 mm <sup>2</sup> )flexible without
	cable end
	Control circuit screw clamp terminals 1 0.0020.006 in <sup>2</sup> (14 mm <sup>2</sup> )flexible with
	cable end
	Control circuit screw clamp terminals 2 0.0020.004 in <sup>2</sup> (12.5 mm <sup>2</sup> )flexible with
	cable end
	Control circuit screw clamp terminals 1 0.0020.006 in <sup>2</sup> (14 mm <sup>2</sup> )solid without
	cable end
	Control circuit screw clamp terminals 2 0.0020.006 in <sup>2</sup> (14 mm <sup>2</sup> )solid without
	cable end
	Power circuit bar 2 30 x 5 mm
	Power circuit lugs-ring terminals 2 0.2 in <sup>2</sup> (150 mm <sup>2</sup> )
	Power circuit bolted connection
Tightening torque	Control circuit 10.6 lbf.in (1.2 N.m)
	Power circuit 309.8 lbf.in (35 N.m)
Mounting Support	Plate
Heat dissipation	14 W
	14 W
Standards	IEC 60947-4-1
	EN 60947-1
	EN 60947-4-1
	IEC 60947-1
	JIS C8201-4-1
Product Certifications	L DOS (Lloydo register of obinoing)
reade of incations	LROS (Lloyds register of shipping)
	CCC
	RINA
	ABS
	BV
	CB
	DNV
	UL
	RMRoS
	UKCA
Compatibility code	LC1F
Control circuit type	AC 40400 Hz

#### 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	20.06 lb(US) (9.1 kg)

## Ordering and shipping details

Category	US10I1222336
Discount Schedule	0112
GTIN	3389110226980
Returnability	Yes
Country of origin	US

#### **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.8 in (25.0 cm)
Package 1 Width	9.4 in (24.0 cm)
Package 1 Length	11.4 in (29.0 cm)
Package 1 Weight	20.41 lb(US) (9.26 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	10
Package 2 Height	30.3 in (77.0 cm)
Package 2 Width	31.5 in (80.0 cm)
Package 2 Length	23.6 in (60.0 cm)
Package 2 Weight	224.83 lb(US) (101.98 kg)

#### **Contractual warranty**

Warranty

18 months

### Sustainability Screen Premium

**Green Premium<sup>TM</sup> 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-CO<sub>2</sub> 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