# Product data sheet

Specifications

Green



### TeSys F nonreversing contactor -4P - Open - 600V 150A - 120VAC 60Hz Coil

LC1F1504G6

Discontinued on: Jul 12, 2021

① Discontinued

#### Main

Range of Product	TeSys F
Product or Component Type	Contactor
Device short name	LC1F
contactor application	Resistive load
Utilisation category	AC-1
poles description	4P
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Uc] control circuit voltage	120 V AC 60 Hz
[le] rated operational current	250 A (at <104 °F (40 °C)) at <= 440 V AC AC-1

### Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	250 A (at 104 °F (40 °C))
Rated breaking capacity	1200 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1200 A 104 °F (40 °C) - 10 s 700 A 104 °F (40 °C) - 30 s 600 A 104 °F (40 °C) - 1 min 450 A 104 °F (40 °C) - 3 min 350 A 104 °F (40 °C) - 10 min
Associated fuse rating	160 A aM at <= 440 V 250 A gG at <= 440 V
Average impedance	0.35 mOhm - Ith 250 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	22 W AC-1
Overvoltage category	III
power pole contact composition	4 NO
motor power HP (UL / CSA)	40 hp at 200 V AC 50 hp at 230 V AC 100 hp at 460 V AC 125 hp at 575 V AC
Control circuit voltage limits	Operational 0.851.1 Uc 50/60 Hz 131 °F (55 °C)) Drop-out 0.350.55 Uc 50/60 Hz 131 °F (55 °C))
Mechanical durability	10 Mcycles

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

Inrush power in VA	660 VA, 60 Hz 0.3 68.0000000000 °F (20 °C))	
Maximum operating rate	2400 cyc/h 131 °F (55 °C)	
Operating time	2335 ms closing 515 ms opening	
Connections - terminals	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 bolted connection	
	Power circuit 2 bars 25 x 3 mm	
	Power circuit lugs-ring terminals 1 0.2 in <sup>2</sup> (120 mm <sup>2</sup> )	
	Power circuit connector 1 0.2 in <sup>2</sup> (120 mm <sup>2</sup> )	
Tightening torque	Control circuit 10.6 lbf.in (1.2 N.m)	
	Power circuit 159.3 lbf.in (18 N.m)	
Mounting Support	Plate	
Heat dissipation	1216 W	
Standards	EN 60947-4-1	
	IEC 60947-1	
	EN 60947-1	
	IEC 60947-4-1	
	JIS C8201-4-1	
Product Certifications	DNV	
	CB	
	LROS (Lloyds register of shipping)	
	RMRoS	
	ABS	
	UL	
	RINA	
	CCC	
	BV	
Hold-in power consumption in	VA 55 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C))	

### Environment

IP degree of protection	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106	
	IF2A IIOIII IACE WITH STITUUUS VDE 0100	
Protective treatment	ТН	
Ambient Air Temperature for Operation	-40140 °F (-4060 °C)	
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)	
Permissible ambient air temperature around the device	140158 °F (6070 °C)	
Mechanical robustness	Vibrations contactor open2 Gn, 5300 Hz Vibrations contactor closed6 Gn, 5300 Hz Shocks contactor open9 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms	
Height	6.7 in (170 mm)	
Width	7.9 in (200.5 mm)	
Depth	6.7 in (171 mm)	
Operating altitude	9842.52 ft (3000 m) without derating	

# Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	112
GTIN	00785901726999
Returnability	No
Country of origin	CZ

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1

# **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



Rohs Exemption Information

### **Certifications & Standards**

Eu Rohs Directive	Compliant
	EU RoHS Declaration
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