# **Product data sheet**

Specifications





# Contactor, TeSys K, 3P, AC-3, It or eq to 440V 12 A, 1 NC aux., 110VAC coil

LC1K1201F7

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

Price\*: 86.00 USD

#### Main

Walli	
Range	TeSys
Product or Component Type	Contactor
Device short name	LC1K
Device Application	Control
contactor application	Resistive load Motor control

## Complementary

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Utilisation category	AC-3
	AC-3e
	AC-1
	AC-4
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit <= 690 V AC <= 400 Hz
	Signalling circuit <= 690 V AC <= 400 Hz
[le] rated operational current	12 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit
	12 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit
	20 A (at <140 °F (60 °C)) at <= 690 V AC AC-1 for power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
Motor power kW	3 kW 220230 V AC 50/60 Hz AC-3
	5.5 kW 380415 V AC 50/60 Hz AC-3
	5.5 kW 440 V AC 50/60 Hz AC-3
	4 kW 690 V AC 50/60 Hz AC-3
	3 kW 220230 V AC 50/60 Hz AC-3e
	5.5 kW 380415 V AC 50/60 Hz AC-3e
	5.5 kW 440 V AC 50/60 Hz AC-3e
	4 kW 690 V AC 50/60 Hz AC-3e
	3 kW 220230 V AC 50/60 Hz AC-4
	5.5 kW 380415 V AC 50/60 Hz AC-4
	5.5 kW 440 V AC 50/60 Hz AC-4
	4 kW 690 V AC 50/60 Hz AC-4
Auxiliary contact composition	1 NC
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal	20 A (at 140 °F (60 °C)) for power circuit
current	10 A (at 122 °F (50 °C)) for signalling circuit

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

Irms rated making capacity	144 A AC for power circuit conforming to IEC 60947 110 A AC for signalling circuit conforming to IEC 60947
Rated breaking capacity	110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 70 A at 660690 V conforming to IEC 60947
[Icw] rated short-time withstand current	115 A 122 °F (50 °C) - 1 s for power circuit 105 A 122 °F (50 °C) - 5 s for power circuit 100 A 122 °F (50 °C) - 10 s for power circuit 75 A 122 °F (50 °C) - 30 s for power circuit 55 A 122 °F (50 °C) - 3 min for power circuit 50 A 122 °F (50 °C) - 3 min for power circuit 25 A 122 °F (50 °C) - 3 min for power circuit 25 A 122 °F (50 °C) ->= 15 min for power circuit 26 A 122 °F (50 °C) ->= 15 min for power circuit 27 A 122 °F (50 °C) ->= 15 min for power circuit 28 A - 1 s for signalling circuit 39 A - 500 ms for signalling circuit 110 A - 100 ms for signalling circuit
Associated fuse rating	25 A gG at <= 440 V for power circuit 25 A aM for power circuit 10 A gG for signalling circuit conforming to IEC 60947 10 A gG for signalling circuit conforming to VDE 0660
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit
Insulation resistance	> 10 MOhm for signalling circuit
nrush power in VA	30 VA (at 68 °F (20 °C))
Hold-in power consumption in VA	4.5 VA (at 68 °F (20 °C))
Heat dissipation	1.3 W
Control circuit voltage limits	Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: >= 0.20 Uc (at <122 °F (50 °C))
Connections - terminals	screw clamp terminals 1 0.0020.006 in² (1.54 mm²)solid screw clamp terminals 1 0.0010.006 in² (0.754 mm²)flexible without cable end screw clamp terminals 1 0.00050.004 in² (0.342.5 mm²)flexible with cable end screw clamp terminals 2 0.0020.006 in² (1.54 mm²)solid screw clamp terminals 2 0.0010.006 in² (0.754 mm²)flexible without cable end screw clamp terminals 2 0.00050.002 in² (0.341.5 mm²)flexible with cable end
Maximum operating rate	3600 cyc/h
Auxiliary contacts type	Instantaneous 1 NC
Signalling circuit frequency	<= 400 Hz
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Operating time	1020 ms coil de-energisation and NO opening 1020 ms coil energisation and NO closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Non overlap distance	0.02 in (0.5 mm)
Mechanical durability	10 Mcycles
Electrical durability	1.3 Mcycles 12 A AC-3 <= 440 V 1.3 Mcycles 12 A AC-3e <= 440 V 0.3 Mcycles 20 A AC-1 <= 690 V 0.02 Mcycles 72 A AC-4 <= 440 V
Mechanical robustness	Shocks contactor closed, on X axis10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed4 Gn, 5300 Hz IEC 60068-2-6 Vibrations contactor opened2 Gn, 5300 Hz IEC 60068-2-6
Height	2.3 in (58 mm)
Width	1.8 in (45 mm)

Depth 2.2 in (57 mm)

### **Environment**

Standards	EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1 IEC 60335-1:Clause 30.2 IEC 60335-2-40:Annex JJ UL 60335-2-40:Annex JJ
Product Certifications	CB Scheme CCC UL CSA EAC CE
Protective treatment	TC IEC 60068 TC DIN 50016
Operating altitude	6561.68 ft (2000 m) without derating
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102

## Ordering and shipping details

Category	US10I1222326
Discount Schedule	0112
GTIN	3389110789638
Returnability	No
Country of origin	ID

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.559 in (6.500 cm)
Package 1 Width	1.890 in (4.800 cm)
Package 1 Length	2.441 in (6.200 cm)
Package 1 Weight	6.349 oz (180.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	20.856 lb(US) (9.460 kg)

## **Contractual warranty**

Warranty	18 months
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## 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.

Learn more about Green Premium >

Guide to assess a product's sustainability >







Sustainable Packaging Transparency RoHS/REACh

#### Resource performance



Sustainable Packaging

### Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information

#### **Certifications & Standards**

Reach Regulation

Eu Rohs Directive

Compliant

EU RoHS Declaration

China Rohs Regulation

China Rohs declaration

Pro-active China RoHS declaration (out of China RoHS legal scope)

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

Yes

WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov