## Product data sheet

Specifications





# Contactor, TeSys K, 4P, 4 NO, AC-1, It or eq to 440V 10A, 24VAC coil

LC1K12004B7

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

#### Price\*: 86.00 USD

#### Main

Range	TeSys
Product Or Component Type	Contactor
Device Short Name	LC1K
Device Application	Control
Contactor Application	Resistive load

#### Complementary

Complementary	
Utilisation Category	AC-1
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	Power circuit <= 690 V AC <= 400 Hz Signalling circuit <= 690 V AC <= 400 Hz
[Ie] Rated Operational Current	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	24 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	20 A (at 140 °F (60 °C)) for power circuit 10 A (at 122 °F (50 °C)) for signalling circuit
Irms Rated Making Capacity	144 A AC for power 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) - 1 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
Associated Fuse Rating	25 A gG at <= 440 V for power circuit 25 A aM for power circuit
Average Impedance	3 mOhm - Ith 20 A 50 Hz for power circuit
Inrush Power In Va	30 VA (at 68 °F (20 °C))
Hold-In Power Consumption In Va	4.5 VA (at 68 °F (20 °C))

Hold-In Power Consumption In Va 4.5 VA (at 68 °F (20 °C))

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

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 0.000.01 in² (1.54 mm²)solid
	screw clamp terminals 1 0.000.01 in² (0.754 mm²)flexible without cable end
	screw clamp terminals 1 0.000.00 in <sup>2</sup> (0.342.5 mm <sup>2</sup> )flexible with cable end
	screw clamp terminals 2 0.000.01 in <sup>2</sup> (1.54 mm <sup>2</sup> )solid
	screw clamp terminals 2 0.000.01 in² (0.754 mm²)flexible without cable end
	screw clamp terminals 2 0.000.00 in <sup>2</sup> (0.341.5 mm <sup>2</sup> )flexible with cable end
Maximum Operating Rate	3600 cyc/h
Signalling Circuit Frequency	<= 400 Hz
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
Mechanical Durability	10 Mcycles
Electrical Durability	0.3 Mcycles 20 A AC-1 <= 690 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	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.24 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	
Product Certifications	CB Scheme CCC UL CSA EAC CE UKCA	
Protective Treatment	TC IEC 60068 TC DIN 50016	
Operating Altitude	ng 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	3389110788983	
Returnability	No	
Country Of Origin	ID	

## **Packing Units**

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Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.85 in (4.7 cm)
Package 1 Width	2.40 in (6.1 cm)
Package 1 Length	2.56 in (6.5 cm)
Package 1 Weight	6.31 oz (179.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	20.69 lb(US) (9.385 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.

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Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

#### **Certifications & Standards**

REACh Declaration
Compliant
EU RoHS Declaration
China RoHS declaration
Pro-active China RoHS declaration (out of China RoHS legal scope)
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
End of Life Information
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