Product data sheet

Specifications





TeSys

Contactor

Contactor, TeSys K, 3P, AC-3, It or eq to 440V 6A, 1 NC aux., 24VAC coil

LC1K06015B7

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

Price*: 57.00 USD

Main Range

Product or Component Type

Device short name	LC1K
Device Application	Control
contactor application	Motor control
Complementary	
Utilisation category	AC-3 AC-3e 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	6 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 6 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	24 V AC 50/60 Hz
Motor power kW	1.5 kW 220230 V AC 50/60 Hz AC-3 2.2 kW 380415 V AC 50/60 Hz AC-3

Auxiliary contact composition	1 NC
[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	110 A AC for power circuit conforming to IEC 60947 110 A AC for signalling circuit conforming to IEC 60947

3 kW 440/690 V AC 50/60 Hz AC-3 1.5 kW 220...230 V AC 50/60 Hz AC-3e 2.2 kW 380...415 V AC 50/60 Hz AC-3e 3 kW 440/690 V AC 50/60 Hz AC-3e 1.5 kW 220...230 V AC 50/60 Hz AC-4 2.2 kW 380...415 V AC 50/60 Hz AC-4 3 kW 440/690 V AC 50/60 Hz AC-4

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



110 A at 220230 V conforming to IEC 60947
110 A at 380400 V conforming to IEC 60947
110 A at 415 V conforming to IEC 60947 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
90 A 122 °F (50 °C) - 1 s for power circuit
85 A 122 °F (50 °C) - 5 s for power circuit 80 A 122 °F (50 °C) - 10 s for power circuit
60 A 122 °F (50 °C) - 30 s for power circuit
45 A 122 °F (50 °C) - 1 min for power circuit
40 A 122 °F (50 °C) - 3 min for power circuit
20 A 122 °F (50 °C) - >= 15 min for power circuit 80 A - 1 s for signalling circuit
90 A - 500 ms for signalling circuit
110 A - 100 ms for signalling circuit
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
3 mOhm - Ith 16 A 50 Hz for power circuit
Power circuit 600 V UL 508
Power circuit 690 V IEC 60947-4-1
Signalling circuit 690 V IEC 60947-4-1
Signalling circuit 690 V IEC 60947-5-1
Signalling circuit 600 V UL 508 Power circuit 600 V CSA C22.2 No 14
Signalling circuit 600 V CSA C22.2 No 14
> 10 MOhm for signalling circuit
30 VA (at 68 °F (20 °C))
4.5 VA (at 68 °F (20 °C))
1.3 W
Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: >= 0.20 Uc (at <122 °F (50 °C))
solder pins 0.001 in (0.035 mm))
3600 cyc/h
Instantaneous 1 NC
<= 400 Hz
5 mA for signalling circuit
17 V for signalling circuit
Printed circuit boards
1020 ms coil de-energisation and NO opening 1020 ms coil energisation and NO closing
1020 m3 con chargistation and two disality
B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
0.02 in (0.5 mm)
10 Moveles
10 Mcycles
1.3 Mcycles 6 A AC-3 <= 440 V
<u> </u>
1.3 Mcycles 6 A AC-3 <= 440 V 1.3 Mcycles 6 A AC-3e <= 440 V 0.05 Mcycles 36 A AC-4 <= 440 V
1.3 Mcycles 6 A AC-3 <= 440 V 1.3 Mcycles 6 A AC-3e <= 440 V 0.05 Mcycles 36 A AC-4 <= 440 V Shocks contactor closed, on X axis10 Gn for 11 ms IEC 60068-2-27
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1.3 Mcycles 6 A AC-3 <= 440 V 1.3 Mcycles 6 A AC-3 <= 440 V 0.05 Mcycles 36 A AC-4 <= 440 V 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

Height	2.3 in (58 mm)
Width	1.8 in (45 mm)
Depth	2.2 in (57 mm)
Net Weight	0.40 lb(US) (0.18 kg)

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
IP degree of protection	IP2X VDE 0106
Protective treatment	TC IEC 60068 TC DIN 50016
Ambient Air Temperature for Storage	-58176 °F (-5080 °C)
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	3389110488159
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.9 in (4.8 cm)
Package 1 Width	2.4 in (6.2 cm)
Package 1 Length	2.7 in (6.8 cm)
Package 1 Weight	7.1 oz (202.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)

Package 2 Weight

23.078 lb(US) (10.468 kg)

Contractual warranty

Warranty

18 months



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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 >







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 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