Product data sheet

Specifications





Contactor, IEC, TeSys K, 9A, 3 P, 5 HP at 480VAC, nonreversing, 1 NO auxilliary contact, 120VAC 50/60 Hz coil

LC1K0910G7

Product availability: Stock - Normally stocked in distribution facility

Price*: 75.00 USD

Main

Mani	
Range	TeSys
Product Or Component Type	Contactor
Device Short Name	LC1K
Device Application	Control
Contactor Application	Motor control Resistive load
Complementary	

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	9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 9 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	120 V AC 50/60 Hz
Motor Power Kw	2.2 kW 220230 V AC 50/60 Hz AC-3
	4 kW 380415 V AC 50/60 Hz AC-3
	4 kW 440/690 V AC 50/60 Hz AC-3
	2.2 kW 220230 V AC 50/60 Hz AC-3e
	4 kW 380415 V AC 50/60 Hz AC-3e
	4 kW 440/690 V AC 50/60 Hz AC-3e
	2.2 kW 220230 V AC 50/60 Hz AC-4
	4 kW 380415 V AC 50/60 Hz AC-4
	4 kW 440/690 V AC 50/60 Hz AC-4
Auxiliary Contact Composition	1 NO
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air	20 A (at 140 °F (60 °C)) for power circuit
Thermal Current	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

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

Rated Breaking Capacity	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
[Icw] Rated Short-Time Withstand Current	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 40 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
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
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))
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 in² (0.342.5 mm²)flexible with cable end screw clamp terminals 2 0.000.01 in² (1.54 mm²)solid screw clamp terminals 2 0.000.01 in² (0.754 mm²)flexible without cable end screw clamp terminals 2 0.000.00 in² (0.341.5 mm²)flexible with cable end
Maximum Operating Rate	3600 cyc/h
Auxiliary Contacts Type	Instantaneous 1 NO
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 9 A AC-3 <= 440 V 1.3 Mcycles 9 A AC-3e <= 440 V 0.16 Mcycles 20 A AC-1 <= 690 V 0.02 Mcycles 54 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	2.28 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
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	3389110604160
Returnability	Yes
Country Of Origin	US

Packing Units

_	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	1.89 in (4.8 cm)
Package 1 Length	2.44 in (6.2 cm)
Package 1 Weight	6.35 oz (180.0 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	20.84 lb(US) (9.455 kg)

Contractual warranty

Warranty	18 months
----------	-----------

Sustainability Green Premium*

Green PremiumTM **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-CO₂ 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 >





Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
Ø	Mercury Free	
②	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
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
California Proposition 65	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