Product data sheet

Specifications





() Discontinued

Reversing contactor, TeSys K, 3P, AC-3, It or eq to 440V 6A, 1 NO, 120VAC coil

LC2K0610G7

() Discontinued on: Jul 12, 2021

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

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Range	TeSys	
Product name	TeSys K	
Product or Component Type	Reversing contactor	
Device short name	LC2K	
Device Application	Control	
contactor application	Motor control	
Utilisation category	AC-3 AC-4	
device presentation	Preassembled with reversing power busbar	
poles description	3P	
power pole contact composition	3 NO	
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz	
[le] rated operational current	6 A at <= 440 V AC AC-3 for power circuit	
Motor power kW	1.5 kW 220230 V AC 50/60 Hz 2.2 kW 380415 V AC 50/60 Hz 3 kW 440 V AC 50/60 Hz 3 kW 480 V AC 50/60 Hz 3 kW 500600 V AC 50/60 Hz 3 kW 660690 V AC 50/60 Hz	
Control circuit type	AC 50/60 Hz	
[Uc] control circuit voltage	120 V AC 50/60 Hz	
Auxiliary contact composition	1 NO	
[Uimp] rated impulse withstand voltage	8 kV	
Overvoltage category	III	
[Ith] conventional free air thermal current	20 A (at 122 °F (50 °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 NF C 63-110 110 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 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 110 A at 220230 V conforming to IEC 60947 110 A at 380400 V conforming to IEC 60947 70 A at 660690 V 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.

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[Icw] rated short-time withstand	90 A 122 °F (50 °C) - 1 s for power circuit
current	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
	80 A - 1 s for signalling circuit
	90 A - 500 ms for signalling circuit
	110 A - 100 ms for signalling circuit
	20 A 122 °F (50 °C) - >= 15 min for power 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
[Ui] rated insulation voltage	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
Electrical durability	1.3 Mcycles 6 A AC-3 <= 440 V
Interlocking type	Mechanical
Mounting Support	Plate
	Rail
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
	000
	UL
	CSA
	EAC
	CE
	UKCA
Connections - terminals	screw clamp terminals 1 0.0020.006 in ² (1.54 mm ²)solid
Lonnaid	screw clamp terminals 1 0.0020.006 in ² (0.754 mm ²)flexible without cable end
	screw clamp terminals 1 0.00050.004 in ² (0.342.5 mm ²)flexible with cable end
	screw clamp terminals 2 0.0020.006 in ² (1.54 mm ²)solid
	screw clamp terminals 2 0.0010.006 in ² (0.754 mm ²)flexible without cable end
	screw clamp terminals 2 0.00050.002 in ² (0.341.5 mm ²)flexible with cable end
Tightening torque	7.0811.5 lbf.in (0.81.3 N.m) screw clamp terminals Philips No 2
	7.0811.5 lbf.in (0.81.3 N.m) screw clamp terminals filling for m
Operating time	1020 ms coil energisation and NO closing
	1020 ms coil de-energisation and NO opening
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	5 Mcycles
Maximum operating rate	3600 cyc/h
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Complementary

Control circuit voltage limits	Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: 0.20.75 Uc (at <122 °F (50 °C))
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
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
Non overlap distance	0.02 in (0.5 mm)
Insulation resistance	> 10 MOhm for signalling circuit

Environment

IP degree of protection	IP20 VDE 0106	
Protective treatment	TC IEC 60068	
	TC DIN 50016	
Ambient Air Temperature for Operation	-13122 °F (-2550 °C)	
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	
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	3.5 in (90 mm)	
Depth	2.2 in (57 mm)	
Net Weight	0.86 lb(US) (0.39 kg)	

Ordering and shipping details

Category	US10I1222327
Discount Schedule	0 12
GTIN	3389118023420
Returnability	No
Country of origin	FR

Packing Units

V	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	3.6 in (9.2 cm)
Package 1 Length	2.4 in (6 cm)
Package 1 Weight	12.8 oz (363 g)

Contractual warranty

Warranty

18 months

Sustainability Screen

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.

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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

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