Product data sheet

Specification





Reversing contactor, TeSys K, 3P, AC-3, It or eq to 440V 6A, 1 NO, 480VAC coil

LC2K0610T7

! Discontinued on: Jul 12, 2021



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

Main

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	
ower 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	480 V AC 50/60 Hz	
Auxiliary contact composition	1 NO	
[Uimp] rated impulse withstand voltage	8 kV	
Overvoltage category	III	
[lth] 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	I 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.

[lcw] 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 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 CCC UL CSA EAC CE UKCA	
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	
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 flat Ø 6 mm	
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	
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 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	0112	
GTIN	3389118097421	
Returnability	No	
Country of origin	FR	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	2.4 in (6 cm)	
Package 1 Width	2.4 in (6.2 cm)	
Package 1 Length	3.6 in (9.2 cm)	
Package 1 Weight	13.8 oz (390 g)	

Contractual warranty

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

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

Certifications & Standards

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