Product data sheet

Specification





Changeover contactor, TeSys K, 4P, AC-1, It or eq to 440V 10A, 110VAC coil

LC2K09004F7

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

Price*: 167.00 USD

Main

Range	TeSys
Product name	TeSys K
Product or Component Type	Changeover contactor
Device short name	LC2K
Device Application	Control
contactor application	Resistive load
Utilisation category	AC-1
device presentation	Preassembled with reversing power busbar
poles description	4P
power pole contact composition	4 NO
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz
[le] rated operational current	20 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[lth] conventional free air thermal current	20 A (at 140 °F (60 °C)) for power circuit
Irms rated making capacity	110 A AC for power circuit conforming to IEC 60947
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 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
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit

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

[Ui] rated insulation voltage	Power circuit 600 V UL 508	
	Power circuit 690 V IEC 60947-4-1	
	Power circuit 600 V CSA C22.2 No 14	
Electrical durability	0.16 Mcycles 20 A AC-1 <= 690 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	
	01.07	
Connections - terminals	screw clamp terminals 1 0.0020.006 in ² (1.54 mm ²)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 in ² (1.54 mm ²)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	
	7.0811.5 lbf.in (0.81.3 N.m) screw clamp terminals pozidriv No 2	
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))	
Consider on ourse voltage immed	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	
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Environment		
IP degree of protection	IP20 VDE 0106	
Protective treatment	TO 150 00000	
Protective treatment	TC IEC 60068 TC DIN 50016	
Ambient Air Temperature for	12 122°E/2E E0°C\	
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	

V1 conforming to UL 94
Requirement 2 conforming to NF F 16-101
Requirement 2 conforming to NF F 16-102

Flame retardance

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	0.84 lb(US) (0.38 kg)		

Ordering and shipping details

Category	US10l1222327	
Discount Schedule	0112	
GTIN	3389110491395	
Returnability	No	
Country of origin	FR	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.400 in (6.096 cm)
Package 1 Width	2.600 in (6.604 cm)
Package 1 Length	3.600 in (9.144 cm)
Package 1 Weight	12.80 oz (362.878 g)

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

②	Reach Free Of Svhc	
②	Toxic Heavy Metal Free	
②	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