Product data sheet

Specifications





Reversing contactor, TeSys K, 3P, AC-3, It or eq to 440V 9A, 1 NO, 48VAC coil

LC2K09105E7

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 Reversing contactor Device Short Name LC2K Device Application Control Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-4 AC-1 AC-3e Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3NO Utilizational Current 20 A (dt +122 °F (50 °C)) at <= 440 V AC AC-1 for power circuit 16 A (at +158 °F (70 °C)) at 680 V AC 50/60 Hz Signaling circuit CeB OV AC 50/60 Hz Signaling circuit CeB OV AC C-1 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 9 A at <= 440 V AC AC-3 for power circuit		
Product Or Component Type Reversing contactor Perice Short Name LC2K Device Application Control Contactor Application Motor control Resistive load LUilisation Category AC-3 AC-4 AC-3 AC-3 Device Presentation Preassembled with reversing power busbar Poles Description 3P Power Pole Contact Composition 3 NO [Ue] Rated Operational Current 20 A (at <122 °F (50 °C)) at <= 440 V AC AC-1 for power circuit	Range	TeSys
Device Short Name LC2K Device Application Control Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-4 AC-1 AC-3e 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	Product Name	TeSys K
Device Application Control Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-4 AC-1 AC-3a 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	Product Or Component Type	Reversing contactor
Contactor Application Motor control Resistive load Utilisation Category AC-3 AC-4 AC-1 AC-3e 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	Device Short Name	LC2K
Resistive load Utilisation Category AC-3 AC-4 AC-1 AC-3e 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 Signaling circuit <= 690 V AC 50/60 Hz	Device Application	Control
AC-4 AC-3e 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	Contactor Application	
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	Utilisation Category	AC-4 AC-1
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	Device Presentation	Preassembled with reversing power busbar
[Ue] Rated Operational Voltage Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz	Poles Description	3P
Signalling circuit <= 690 V AC 50/60 Hz	Power Pole Contact Composition	3 NO
16 A (at <158 °F (70 °C)) at 690 V AC AC-1 for power circuit9 A at <= 440 V AC AC-3 for power circuit	[Ue] Rated Operational Voltage	
4 kW 380415 V AC 50/60 Hz 4 kW 440 V AC 50/60 Hz 4 kW 480 V AC 50/60 Hz 4 kW 500600 V AC 50/60 Hz 4 kW 660690 V AC 50/60 Hz 4 kW 660690 V AC 50/60 Hz 2 kW 100 Kar Solution 2 kW 100 Kar Solution 3 kV AC 50/60 Hz 3 kV 4 kW 2 kW 100 Kar Solution 1 kW 120 Kar Solut	[le] Rated Operational Current	16 A (at <158 °F (70 °C)) at 690 V AC AC-1 for power circuit 9 A at <= 440 V AC AC-3 for power circuit
[Uc] Control Circuit Voltage 48 V AC 50/60 Hz Auxiliary Contact Composition 1 NO [Uimp] Rated Impulse Withstand 8 kV Voltage 0 Overvoltage Category III [Ith] Conventional Free Air 20 A (at 122 °F (50 °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 NF C 63-110 110 A AC for power circuit conforming to IEC 60947	Motor Power Kw	4 kW 380415 V AC 50/60 Hz 4 kW 440 V AC 50/60 Hz 4 kW 480 V AC 50/60 Hz 4 kW 500600 V AC 50/60 Hz
Auxiliary Contact Composition 1 NO [Uimp] Rated Impulse Withstand 8 kV Voltage 8 kV Overvoltage Category III [Ith] Conventional Free Air 20 A (at 122 °F (50 °C)) for power circuit Thermal Current 20 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	Control Circuit Type	AC 50/60 Hz
[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	[Uc] Control Circuit Voltage	48 V AC 50/60 Hz
Voltage III Overvoltage Category III [Ith] Conventional Free Air 20 A (at 122 °F (50 °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 NF C 63-110 110 A AC for power circuit conforming to IEC 60947	Auxiliary Contact Composition	1 NO
[Ith] Conventional Free Air 20 A (at 122 °F (50 °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 NF C 63-110 110 A AC for power circuit conforming to IEC 60947		8 kV
Thermal Current 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	Overvoltage Category	111
110 A AC for power circuit conforming to IEC 60947		
	Irms Rated Making Capacity	110 A AC for power 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.

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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
[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
Abootated Pase Hating	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 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
Interlocking Type	Mechanical
Mounting Support	Rail
	Plate
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	
	solder pins 0.00 in (0.035 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
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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	2.28 in (58 mm)
Width	3.54 in (90 mm)
Depth	2.24 in (57 mm)
Net Weight	0.86 lb(US) (0.39 kg)

Ordering and shipping details

Category	US10I1222327
Discount Schedule	0112
Gtin	3389110492576
Returnability	No
Country Of Origin	FR

Packing Units

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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	3.62 in (9.2 cm)
Package 1 Length	2.36 in (6.0 cm)
Package 1 Weight	14.18 oz (402.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	25

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	23.16 lb(US) (10.505 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen 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

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