Product datasheet

Specifications





TeSys K reversing contactor - 3P - AC-3 <= 440 V 6 A - 1 NO - 220...230 VAC coil

LC2K0610M7

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-3e 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 <60 °C) at <= 440 V AC AC-3 for power circuit 6 A (at <60 °C) at <= 440 V AC AC-3e for power circuit
Motor power kW	1.5 kW at 220230 V AC 50/60 Hz 2.2 kW at 380415 V AC 50/60 Hz 3 kW at 440/690 V AC 50/60 Hz
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	220230 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 60 °C) for power circuit 10 A (at 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
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

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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 cable(s) 1.54 mm*solid Screw clamp terminals 1 cable(s) 0.754 mm*flexible without cable end Screw clamp terminals 1 cable(s) 0.342.5 mm*flexible with cable end Screw clamp terminals 2 cable(s) 1.54 mm*solid Screw clamp terminals 2 cable(s) 1.54 mm*flexible with cable end Screw clamp terminals 2 cable(s) 1.54 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm*flexible with cable end Screw clamp t		
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Maximum operating rate 3600 cyc/h Complementary Control circuit voltage limits Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.20.75 Uc (at <50 °C)	Safety reliability level	B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO
Complementary Control circuit voltage limits Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.20.75 Uc (at <50 °C)	Mechanical durability	5 Mcycles
Control circuit voltage limits Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.20.75 Uc (at <50 °C)	Maximum operating rate	3600 cyc/h
Control circuit voltage limits Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.20.75 Uc (at <50 °C)	0	
Drop-out: 0.20.75 Uc (at <50 °C)	Complementary	
Inrush power in VA 30 VA (at 20 °C)	Control circuit voltage limits	
	Inrush power in VA	30 VA (at 20 °C)

Hold-in power consumption in VA	4.5 VA (at 20 °C)	
Heat dissipation	1.3 W	
Auxiliary contacts type	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	0.5 mm	
Insulation resistance	> 10 MOhm for signalling circuit	

Environment

IP degree of protection	IP20 conforming to VDE 0106	
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016	
Ambient air temperature for operation	-2550 °C	
Ambient air temperature for storage	-5080 °C	
Operating altitude	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 axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Y axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Z axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on X axis: 6 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Y axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Z axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations contactor closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6 Vibrations contactor opened: 2 Gn, 5300 Hz conforming to IEC 60068-2-6	
Height	58 mm	
Width	90 mm	
Depth	57 mm	
Net weight	0.39 kg	

Packing Units

_	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.0 cm
Package 1 Width	6.5 cm
Package 1 Length	9.2 cm
Package 1 Weight	360.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	25
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.364 kg

Contractual warranty

Warranty

18 months



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	
②	Toxic Heavy Metal Free	
Ø	Mercury Free	
⊘	Rohs Exemption Information	Yes

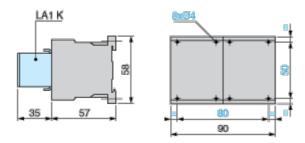
Certifications & Standards

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

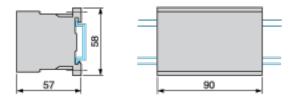
Dimensions Drawings

Dimensions

Reversing Contactors LC2 K, LP2 K, LP5 K: Mounting on Panel



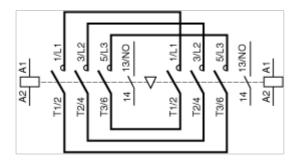
Reversing Contactors LC2 K, LP2 K, LP5 K: Mounting on Rail AM1 DP200 or AM1 DE200 (35 mm)



Connections and Schema

Wiring

3-Pole Reversing Contactors with Screw Clamp Connections: 3P + N/O



3-Pole Reversing Contactors with Screw Clamp Connections: 3P + N/C

