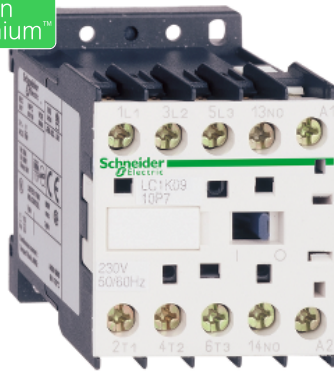


Product datasheet

Specifications



TeSys K contactor - 3P - AC-3 <= 440 V 9 A - 1 NC aux. - 230...240 V AC coil

Local distributor code: 21146613 LC1K0901U7

Main

Range	TeSys
Product or component type	Contactor
Product name	TeSys K
Device application	Control
Contactor application	Motor control Resistive load

Complementary

Utilisation category	AC-3 AC-1 AC-4
Poles description	3P
Power pole contact composition	3 NO
[Ie] rated operational current	20 A (at <50 °C) at <= 440 V AC AC-1 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 16 A (at <70 °C) at 690 V AC AC-1 for power circuit
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	230...240 V AC 50/60 Hz
Motor power kW	2.2 kW at 220...230 V AC 50/60 Hz AC-3 4 kW at 380...415 V AC 50/60 Hz AC-3 4 kW at 440 V AC 50/60 Hz AC-3 4 kW at 480 V AC 50/60 Hz AC-3 4 kW at 500...600 V AC 50/60 Hz AC-3 4 kW at 660...690 V AC 50/60 Hz AC-3 2.2 kW at 400 V AC 50/60 Hz AC-4
Auxiliary contact composition	1 NC
Overvoltage category	III
[Ith] conventional free air thermal current	20 A (at 50 °C) for power circuit 10 A (at 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 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947
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 - lth 20 A 50 Hz for power circuit
Insulation resistance	> 10 MOhm for signalling circuit
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
Control circuit voltage limits	Operational: 0.8...1.15 Uc (at <50 °C) Drop-out: 0.2...0.75 Uc (at <50 °C)
Maximum operating rate	3600 cyc/h
Auxiliary contacts type	type instantaneous 1 NC
Signalling circuit frequency	<= 400 Hz
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Operating time	10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Non overlap distance	0.5 mm
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, 5...300 Hz conforming to IEC 60068-2-6 Vibrations contactor opened: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6

Environment

Product certifications	CSA UL UKCA
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	180.0 g
Package 1 Height	4.8 cm
Package 1 width	6.2 cm
Package 1 Length	6.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Weight	9.386 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Package 3 Height	77 cm
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Offer Sustainability

Sustainable offer status	Green Premium product
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REACH Regulation	REACH Declaration
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REACH free of SVHC	Yes
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EU RoHS Directive	Compliant EU RoHS Declaration
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Toxic heavy metal free	Yes
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Mercury free	Yes
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RoHS exemption information	Yes
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China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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Environmental Disclosure	Product Environmental Profile
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Circularity Profile	End of Life Information
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WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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Contractual warranty

Warranty	18 months
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