Product datasheet

Specifications





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

Local distributor code: 380907409

LC2K0901U7

EAN Code: 3389110492026

Main

Range	TeSys
Product Name	TeSys K
Product Or Component Type	Reversing contactor
Device Short Name	LC2K
Device Application	Control
Contactor Application	Resistive load Motor control
Utilisation Category	AC-3 AC-3e AC-4 AC-1
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	9 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 9 A (at <60 °C) at <= 440 V AC AC-3e for power circuit 20 A (at <60 °C) at <= 690 V AC AC-1 for power circuit
Motor Power Kw	2.2 kW at 220230 V AC 50/60 Hz 4 kW at 380415 V AC 50/60 Hz 4 kW at 440/690 V AC 50/60 Hz
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	230240 V AC 50/60 Hz
Auxiliary Contact Composition	1 NC
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] 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

	Screw clamp terminals 2 cable(s) 0.754 mm ² flexible without cable end Screw clamp terminals 2 cable(s) 0.341.5 mm ² flexible with cable end
	Screw clamp terminals 2 cable(s) 1.54 mm ² solid
	Screw clamp terminals 1 cable(s) 0.754 mm ² flexible without cable end Screw clamp terminals 1 cable(s) 0.342.5 mm ² flexible with cable end
Connections - Terminals	Screw clamp terminals 1 cable(s) 1.54 mm ² solid
	UKCA
	EAC CE
	CSA
	UL
Product Certifications	CB Scheme CCC
	CSA C22.2 No 60947-4-1 JIS C8201-4-1
	UL 60947-4-1
	GB/T 14048.4
Standards	EN/IEC 60947-4-1
	Plate
Mounting Support	Rail
Interlocking Type	Mechanical
	0.02 Mcycles 54 A AC-4 at Ue <= 440 V
	0.16 Mcycles 20 A AC-1 at Ue <= 690 V
Electrical Durability	1.3 Mcycles 9 A AC-3 at Ue <= 440 V 1.3 Mcycles 9 A AC-3e at Ue <= 440 V
Electrical Durability	
	Signalling circuit: 600 V conforming to CSA C22.2 No 14
	Signalling circuit: 600 V conforming to UL 508 Power circuit: 600 V conforming to CSA C22.2 No 14
	Signalling circuit: 690 V conforming to IEC 60947-5-1
	Signalling circuit: 690 V conforming to IEC 60947-4-1
[Ui] Rated Insulation Voltage	Power circuit: 600 V conforming to UL 508 Power circuit: 690 V conforming to IEC 60947-4-1
fill Dated Incutation M. H	
Average Impedance	3 mOhm - Ith 20 A 50 Hz for power circuit
	10 A gG for signalling circuit conforming to VDE 0660
	10 A gG for signalling circuit conforming to IEC 60947
Associated Fuse Rating	25 A gG at <= 440 V for power circuit 25 A aM for power circuit
Associated Free Detions	
	90 A - 500 ms for signalling circuit 110 A - 100 ms for signalling circuit
	80 A - 1 s for signalling circuit
	20 A 50 °C - >= 15 min for power circuit
	40 A 50 °C - 3 min for power circuit
	45 A 50 °C - 1 min for power circuit
	60 A 50 °C - 30 s for power circuit
	80 A 50 °C - 10 s for power circuit
Current	85 A 50 °C - 5 s for power circuit
Current	

Complementary

Control Circuit Voltage Limits	Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.20.75 Uc (at <50 °C)
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 NC
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

IP20 conforming to VDE 0106
TC conforming to IEC 60068 TC conforming to DIN 50016
-2550 °C
-5080 °C
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
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 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
58 mm
90 mm
57 mm

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	9.2 cm
Package 1 Length	6.0 cm
Package 1 Weight	367.0 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	9.501 kg

Contractual warranty

Warranty

18 months

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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 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