

# Product data sheet

Specifications



## star delta starter, TeSys K, 3×3P(3NO), 9A, 230V AC coil

LC3K09P7

### Main

Range	TeSys
Product Name	TeSys K
Product Or Component Type	Star delta starter
Device Short Name	LC3K
Contactor Application	Motor control
Utilisation Category	AC-3
Device Presentation	Pre-wired
Poles Description	3 x 3P
Power Pole Contact Composition	3 x 3 NO
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 25...400 Hz
[Ie] Rated Operational Current	9 A (at <50 °C) at <= 440 V AC AC-3 for power circuit
Motor Power Kw	4 kW at 220/230 V AC 50/60 Hz 7.5 kW at 380/400 V AC 50/60 Hz 7.5 kW at 415 V AC 50/60 Hz 7.5 kW at 440 V AC 50/60 Hz
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Auxiliary Contact Composition	1 NC for KM1 star contactor
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ui] Rated Insulation Voltage	Power circuit: 750 V conforming to VDE 0110 group C Power circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to NF C 20-040 Power circuit: 600 V CSA 22-2 certified Power circuit: 600 V UL 508 certified Signalling circuit: 750 V conforming to VDE 0110 group C Signalling circuit: 690 V conforming to IEC 60947 Signalling circuit: 690 V conforming to BS 5424 Signalling circuit: 690 V conforming to NF C 20-040 Signalling circuit: 600 V CSA 22-2 certified Signalling circuit: 600 V UL 508 certified
Electrical Durability	1.3 Mcycles 9 A AC-3 at Ue <= 440 V
Interlocking Type	Mechanical
Mounting Support	Rail
Standards	IEC 60947 NF C 63-110 VDE 0660

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

# Complementary

Connections - Terminals	Screw clamp terminals 1 1.5...4 mm² - cable stiffness: solid Screw clamp terminals 1 0.75...4 mm² - cable stiffness: flexible without cable end Screw clamp terminals 1 0.34...2.5 mm² - cable stiffness: flexible with cable end Screw clamp terminals 2 1.5...4 mm² - cable stiffness: solid Screw clamp terminals 2 0.75...4 mm² - cable stiffness: flexible without cable end Screw clamp terminals 2 0.34...1.5 mm² - cable stiffness: flexible with cable end
Tightening Torque	0.8...1.3 N.m - on screw clamp terminals Philips No 2 0.8...1.3 N.m - on screw clamp terminals flat Ø 6 mm 0.8...1.3 N.m - on screw clamp terminals pozidriv No 2
Mechanical Durability	10 Mcycles
Maximum Operating Rate	12 cyc/h 60 °C
Starting Time	30 s
Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	Operational: 0.8...1.15 Uc (at <50 °C) Drop-out: 0.2...0.75 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	Mechanically linked conforming to IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact conforming to IEC 60947-4-1 3 x 1 NC
Minimum Switching Current	5 mA for signalling circuit
Minimum Switching Voltage	17 V for signalling circuit
Width	150 mm
Height	110 mm
Depth	94 mm
Net Weight	0.74 kg

# Environment

Insulation Resistance	> 10 MOhm for signalling circuit
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 Storage	-50...80 °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	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor closed, on X axis: 10 Gn for 11 ms Shocks contactor opened, on X axis: 6 Gn for 11 ms Shocks contactor closed, on Y axis: 15 Gn for 11 ms Shocks contactor opened, on Y axis: 10 Gn for 11 ms Shocks contactor closed, on Z axis: 15 Gn for 11 ms Shocks contactor opened, on Z axis: 10 Gn for 11 ms

# Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	8.5 cm
Package 1 Width	10.5 cm
Package 1 Length	18.5 cm
Package 1 Weight	900.0 g

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>