

# Product data sheet

Specifications



## Mini contactor, TeSys SK, 3P(3NO), AC-3, 690V 9A, 230V AC coil

LC1SKGC301P7

### Main

Range	TeSys
Product Name	TeSys SK
Product Or Component Type	Mini contactor
Device Short Name	LC1SKGC
Contactor Application	Resistive load Motor control
Utilisation Category	AC-3 AC-1
Power Pole Contact Composition	3P
Pole Contact Composition	3 NO
Auxiliary Contact Composition	1 NC
[Ie] Rated Operational Current	20 A (at <50 °C) AC AC-1 9 A at <= 400 V AC AC-3
[Ue] Rated Operational Voltage	Power circuit: 690 V AC 50/60 Hz Signalling circuit: 690 V AC <= 400 Hz

### Complementary

Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Motor Power Kw	4 kW at 380...415 V AC 50/60 Hz 4 kW at 660...690 V AC 50/60 Hz 1.1 kW at 220...230 V AC 50/60 Hz
[Ith] Conventional Free Air Thermal Current	20 A (at 55 °C) for power circuit 10 A (at 55 °C) for signalling circuit
Irms Rated Making Capacity	85 A AC conforming to NF C 63-110 85 A AC conforming to IEC 60947
Rated Breaking Capacity	68 A at <= 400 V conforming to NF C 63-110 68 A at <= 400 V conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	60 A 55 °C for power circuit
Associated Fuse Rating	20 A gl at <= 440 V for power circuit 10 A gl for signalling circuit conforming to IEC 60947 10 A gl for signalling circuit conforming to VDE 0660
Average Impedance	4 mOhm - Ith 20 A 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to UL 508 Power circuit: 690 V conforming to VDE 0110 group C Power circuit: 690 V conforming to CSA C22.2 No 14

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

Mounting Support	Panel Rail
Standards	EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	CB Scheme CE UKCA EAC cULus
Connections - Terminals	Connector 1 cable(s) 1.5...6 mm²solid Connector 2 cable(s) 1.5...4 mm²solid Connector 1 cable(s) 0.5...6 mm²flexible without cable end Connector 2 cable(s) 0.35...2.5 mm²flexible without cable end Connector 1 cable(s) 0.35...6 mm²flexible with cable end Connector 2 cable(s) 0.35...1.5 mm²flexible with cable end
Tightening Torque	Power circuit: 0.8 N.m - on connector - with screwdriver pozidriv No 1
Operating Time	6...8 ms coil de-energisation and NO opening 7...14 ms coil energisation and NO closing 8...16 ms coil energisation and NC opening 8...10 ms coil de-energisation and NC closing
Mechanical Durability	10 Mcycles
Maximum Operating Rate	1200 cyc/h
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc at 50/60 Hz (at <55 °C) Drop-out: 0.2...0.75 Uc at 50/60 Hz (at <55 °C)
Inrush Power In Va	23 VA 50/60 Hz (at 20 °C)
Hold-In Power Consumption In Va	4.9 VA 50/60 Hz (at 20 °C)
Heat Dissipation	1.5 W at 50/60 Hz
Signalling Circuit Frequency	<= 400 Hz

## Environment

Ip Degree Of Protection	IP2X conforming to VDE 0106
Protective Treatment	TC conforming to IEC 60068 TC conforming to DIN 50015
Ambient Air Temperature For Operation	-20...50 °C
Ambient Air Temperature For Storage	-50...70 °C
Operating Altitude	2000 m without derating
Height	58 mm
Width	45 mm
Depth	56 mm
Net Weight	0.175 kg

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	6.0 cm
Package 1 Length	6.2 cm
Package 1 Weight	164.0 g

Unit Type Of Package 2	S01
Number Of Units In Package 2	28
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.796 kg

## Contractual warranty

Warranty	18 months
----------	-----------

## 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



Mercury Free



RoHS Exemption Information

Yes

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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>