Product data sheet

Specifications

Green Premium™

TeSys SK mini contactor - 3P (3 NO) - AC-3 - 690 V 9 A - 400 V AC coil

LC1SKGC310V7

Discontinued on: Jul 12, 2021

Discontinued

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 NO
[Ie] Rated Operational Current	20 A (at <122 °F (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 50/60 Hz
[Uc] Control Circuit Voltage	400 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 131 °F (55 °C)) for power circuit 10 A (at 131 °F (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 131 °F (55 °C) for power circuit
Associated Fuse Rating	20 A gI at <= 440 V for power circuit 10 A gI for signalling circuit conforming to IEC 60947 10 A gI for signalling circuit conforming to VDE 0660
Average Impedance	4 mOhm - Ith 20 A 50 Hz for power circuit

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

[Ui] Rated Insulation Voltage	Power circuit 690 V BS 5424 Power circuit 690 V IEC 60947 Power circuit 690 V UL 508 Power circuit 690 V VDE 0110 group C Power circuit 690 V CSA C22.2 No 14
Mounting Support	Rail Panel
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 0.00…0.01 in² (1.5…6 mm²)solid connector 2 0.00…0.01 in² (1.5…4 mm²)solid connector 1 0.00…0.01 in² (0.5…6 mm²)flexible without cable end connector 2 0.00…0.00 in² (0.35…2.5 mm²)flexible without cable end connector 1 0.00…0.01 in² (0.35…6 mm²)flexible with cable end connector 2 0.00…0.00 in² (0.35…1.5 mm²)flexible with cable end
Tightening Torque	Power circuit 7.08 lbf.in (0.8 N.m) connector pozidriv No 1
Operating Time	6...8 ms coil de-energisation and NO opening 7...14 ms coil energisation and NO 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 <131 °F (55 °C)) Drop-out: 0.2...0.75 Uc at 50/60 Hz (at <131 °F (55 °C))
Inrush Power In Va	23 VA 50/60 Hz (at 68 °F (20 °C))
Hold-In Power Consumption In Va	4.9 VA 50/60 Hz (at 68 °F (20 °C))
Heat Dissipation	1.5 W 50/60 Hz
Signalling Circuit Frequency	<= 400 Hz

Environment

Ip Degree Of Protection	IP2X VDE 0106
Protective Treatment	TC IEC 60068 TC DIN 50015
Ambient Air Temperature For Operation	-4…122 °F (-20…50 °C)
Ambient Air Temperature For Storage	-58…158 °F (-50…70 °C)
Operating Altitude	6561.68 ft (2000 m) without derating
Height	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.20 in (56 mm)
Net Weight	0.39 lb(US) (0.175 kg)

Ordering and shipping details

Category	18400-WORLD SERVICE PARTS(CONTACTORS)
Discount Schedule	CP10
Gtin	3389110563719
Returnability	No

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.52 in (6.4 cm)
Package 1 Width	2.36 in (6 cm)
Package 1 Length	1.89 in (4.8 cm)
Package 1 Weight	6.17 oz (175 g)

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_2 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	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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.