

# Product datasheet

Specifications



## TeSys SK mini contactor - 4P (2 NO + 2 NC) - AC-1 - 690 V 20 A - 230 V AC coil

LC1SKGC800P7

⚠ Discontinued on: 1 Nov 2020

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### Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SKGC
Contactors application	Resistive load
Utilisation category	AC-1
power pole contact composition	4P
Pole contact composition	2 NO + 2 NC
[Ie] rated operational current	20 A (at <50 °C) AC AC-1
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz

### Complementary

Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz
[Ith] conventional free air thermal current	20 A (at 55 °C) for power 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 gI at <= 440 V for power circuit
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
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

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

<b>Connections - terminals</b>	Connector 1 cable(s) 1.5...6 mm <sup>2</sup> solid Connector 2 cable(s) 1.5...4 mm <sup>2</sup> solid Connector 1 cable(s) 0.5...6 mm <sup>2</sup> flexible without cable end Connector 2 cable(s) 0.35...2.5 mm <sup>2</sup> flexible without cable end Connector 1 cable(s) 0.35...6 mm <sup>2</sup> flexible with cable end Connector 2 cable(s) 0.35...1.5 mm <sup>2</sup> flexible with cable end
<b>Tightening torque</b>	Power circuit: 0.8 N.m - on connector - with screwdriver pozidriv No 1
<b>Operating time</b>	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
<b>Mechanical durability</b>	10 Mcycles
<b>Maximum operating rate</b>	1200 cyc/h
<b>Control circuit voltage limits</b>	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)
<b>Inrush power in VA</b>	23 VA 50/60 Hz (at 20 °C)
<b>Hold-in power consumption in VA</b>	4.9 VA 50/60 Hz (at 20 °C)
<b>Heat dissipation</b>	1.5 W at 50/60 Hz

## Environment

<b>IP degree of protection</b>	IP2X conforming to VDE 0106
<b>Protective treatment</b>	TC conforming to IEC 60068 TC conforming to DIN 50015
<b>Ambient air temperature for operation</b>	-20...50 °C
<b>Ambient air temperature for storage</b>	-50...70 °C
<b>Operating altitude</b>	2000 m without derating
<b>Height</b>	58 mm
<b>Width</b>	45 mm
<b>Depth</b>	56 mm
<b>Net weight</b>	0.175 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6.4 cm
<b>Package 1 Width</b>	6 cm
<b>Package 1 Length</b>	4.8 cm
<b>Package 1 Weight</b>	166 g

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

[EU RoHS Directive](#)

Compliant

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins