

# Product datasheet

Specifications



## TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 6 A - 400 V AC coil

LC1SK0600V7

⚠ Discontinued on: 15 Jul 2024

⚠ End-of-service on: 31 Jul 2024

⚠ Discontinued

## Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SK
Contactors application	Resistive load Motor control
Utilisation category	AC-1 AC-3
power pole contact composition	2P
Pole contact composition	2 NO
[Ie] rated operational current	6 A at $\leq 440$ V AC AC-3 12 A (at $\leq 55$ °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	400 V AC 50/60 Hz
[Ith] conventional free air thermal current	12 A (at 55 °C) for power circuit
Irms rated making capacity	66 A at 690 V AC conforming to IEC 60947 66 A at 690 V AC conforming to NF C 63-110
Rated breaking capacity	52 A at $\leq 400$ V for power circuit conforming to NF C 63-110 52 A at $\leq 400$ V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	50 A 55 °C for power circuit
Associated fuse rating	16 A gI at $\leq 440$ V for power circuit conforming to IEC 60947
Average impedance	4 mOhm - Ith 12 A 50 Hz
[Ui] rated insulation voltage	690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to BS 5424 690 V conforming to UL 508 690 V conforming to CSA C22.2 No 14
Mounting support	Rail
Standards	EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1

<b>Product certifications</b>	CB Scheme CE UKCA EAC cULus
<b>Connections - terminals</b>	Power circuit: connector 1 cable(s) 0.35...6 mm <sup>2</sup> flexible with cable end Power circuit: connector 1 cable(s) 0.5...6 mm <sup>2</sup> flexible without cable end Power circuit: connector 1 cable(s) 1.5...6 mm <sup>2</sup> solid Power circuit: connector 2 cable(s) 0.35...1.5 mm <sup>2</sup> flexible with cable end Power circuit: connector 2 cable(s) 0.35...2.5 mm <sup>2</sup> flexible without cable end Power circuit: connector 2 cable(s) 1.5...4 mm <sup>2</sup> solid
<b>Tightening torque</b>	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
<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 U <sub>c</sub> (at <50 °C) Drop-out: 0.2...0.75 U <sub>c</sub> (at <50 °C)
<b>Inrush power in VA</b>	16 VA (at 20 °C)
<b>Hold-in power consumption in VA</b>	4.2 VA (at 20 °C)
<b>Heat dissipation</b>	1.4 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>	56 mm
<b>Width</b>	27 mm
<b>Depth</b>	55.5 mm
<b>Net weight</b>	0.132 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>	3.2 cm
<b>Package 1 Width</b>	6.7 cm
<b>Package 1 Length</b>	6.0 cm
<b>Package 1 Weight</b>	120.0 g
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	40
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	15.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	5.025 kg

# Contractual warranty

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Warranty (in months)

18



## 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 >](#)



### Environmental footprint

Total lifecycle Carbon footprint	58 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	57 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	C39a7e5e-6a28-4540-b3bb-b5a727bdce6a

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	64
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins