Product datasheet

Specifications

TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 6 A - 42 V AC coil

LC1SK0600D7

Discontinued on: 23 Jan 2021

Discontinued

Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SK
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-1
power pole contact composition	2P
Pole contact composition	2 NO
[Ie] rated operational current	6 A at <= 440 V AC AC-3 12 A (at <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	42 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 <= 400 V for power circuit conforming to NF C 63-110 52 A at <= 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 <= 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
safety cover	With
Mounting support	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	Power circuit: connector 1 cable(s) 0.35…6 mm²flexible with cable end Power circuit: connector 1 cable(s) 0.5…6 mm²flexible without cable end Power circuit: connector 1 cable(s) 1.5…6 mm²solid Power circuit: connector 2 cable(s) 0.35…1.5 mm²flexible with cable end Power circuit: connector 2 cable(s) 0.35…2.5 mm²flexible without cable end Power circuit: connector 2 cable(s) 1.5…4 mm²solid
Tightening torque	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
Mechanical durability	10 Mcycles
Maximum operating rate	1200 cyc/h
Control circuit voltage limits	Operational: 0.85...1.1 Uc (at <50 °C) Drop-out: 0.2...0.75 Uc (at <50 °C)
Inrush power in VA	16 VA (at 20 °C)
Hold-in power consumption in VA	4.2 VA (at 20 °C)
Heat dissipation	1.4 W at 50/60 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	56 mm
Width	27 mm
Depth	55.5 mm
Net weight	0.132 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.3 cm
Package 1 Width	6.7 cm
Package 1 Length	5.9 cm
Package 1 Weight	121 g

Contractual warranty

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 >

Use Better

Materials and Packaging

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