Product data sheet

Specifications

Mini contactor, TeSys SK, 2P(2NO), AC-3, 690V 6A, 240V AC coil

LC1SK0600U7

Product availability: Non-Stock - Not normally stocked in distribution facility

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-1 AC-3
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 <131 °F (55 °C)) AC AC-1
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz

Complementary

Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	240 V AC 50/60 Hz
[Ith] conventional free air thermal current	12 A (at 131 °F (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 131 °F (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 IEC 60947 690 V VDE 0110 group C 690 V BS 5424 690 V UL 508 690 V 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
Product Certifications	CB Scheme CE UKCA EAC cULus

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

Connections - terminals	Power circuit connector 1 0.0005…0.009 in² (0.35…6 mm²)flexible with cable end Power circuit connector 1 0.0008…0.009 in² (0.5…6 mm²)flexible without cable end Power circuit connector 1 0.002…0.009 in² (1.5…6 mm²)solid Power circuit connector 2 0.0005…0.002 in² (0.35…1.5 mm²)flexible with cable end Power circuit connector 2 0.0005…0.004 in² (0.35…2.5 mm²)flexible without cable end Power circuit connector 2 0.002…0.006 in² (1.5…4 mm²)solid
Tightening torque	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 <122 °F (50 °C)) Drop-out: 0.2...0.75 Uc (at <122 °F (50 °C))
Inrush power in VA	16 VA (at 68 °F (20 °C))
Hold-in power consumption in VA	4.2 VA (at 68 °F (20 °C))
Heat dissipation	1.4 W 50/60 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	2.2 in (56 mm)
Width	1.06 in (27 mm)
Depth	2.2 in (55.5 mm)
Product Weight	0.291 lb(US) (0.132 kg)

Ordering and shipping details

Category	US10I1222326
Discount Schedule	0I12
GTIN	3389110563917
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.299 in (3.300 cm)
Package 1 Width	2.323 in (5.900 cm)
Package 1 Length	2.717 in (6.900 cm)
Package weight(Lbs)	4.515 oz (128.000 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

Environmental footprint

Total lifecycle Carbon footprint	**68 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.7 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.3 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**67 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.2 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**C39a7e5e-6a28-4540-b3bb-b5a727bdce6a**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**63**
Circularity Profile	**End of Life Information**
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.**