



⚠ Discontinued

LC1SK0600E7 has not been replaced. Please contact your customer care center for more information.

Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SK
Contact application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Power pole contact composition	2P
Pole contact composition	2 NO
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz
[Ie] rated operational current	6 A <= 440 V AC AC-3 12 A 131 °F (55 °C)) AC AC-1
Motor power kW	1.1 kW 220...230 V AC 50/60 Hz 2.2 kW 380...415 V AC 50/60 Hz 2.2 kW 660...690 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	48 V AC 50/60 Hz
[Ith] conventional free air thermal current	12 A 131 °F (55 °C) power circuit
Irms rated making capacity	66 A 690 V AC IEC 60947 66 A 690 V AC NF C 63-110
Rated breaking capacity	52 A <= 400 V power circuit NF C 63-110 52 A <= 400 V power circuit IEC 60947
[Icw] rated short-time withstand current	50 A 131 °F (55 °C) power circuit
Associated fuse rating	16 A gI <= 440 V power circuit 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

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

Mounting support	Rail
Standards	BS 5424 VDE 0660 IEC 60947 NF C 63-110
Product certifications	CULus
Connections - terminals	Power circuit connector 1 0.00...0.01 in ² (0.35...6 mm ²)flexible with cable end Power circuit connector 1 0.00...0.01 in ² (0.5...6 mm ²)flexible without cable end Power circuit connector 1 0.00...0.01 in ² (1.5...6 mm ²)solid Power circuit connector 2 0.00...0.00 in ² (0.35...1.5 mm ²)flexible with cable end Power circuit connector 2 0.00...0.00 in ² (0.35...2.5 mm ²)flexible without cable end Power circuit connector 2 0.00...0.01 in ² (1.5...4 mm ²)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

Complementary

Control circuit voltage limits	Operational 0.85...1.1 Uc 122 °F (50 °C) Drop-out 0.2...0.75 Uc 122 °F (50 °C)
Inrush power in VA	16 VA 68 °F (20 °C))
Hold-in power consumption in VA	4.2 VA 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
Height	2.20 in (56 mm)
Width	1.06 in (27 mm)
Depth	2.19 in (55.5 mm)
Net weight	0.29 lb(US) (0.132 kg)

Ordering and shipping details

Category	18400-WORLD SERVICE PARTS(CONTACTORS)
Discount Schedule	CP10
GTIN	03389110563856
Returnability	No

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
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.

Contractual warranty

Warranty	18 months
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