

# LC1SK0600E7

contactor TeSys LC1-SK - 2 poles - AC-3 400V  
6 A - coil 48 V AC



## Main

Range of product	TeSys SK
Product or component type	Contacteur
Device short name	LC1SK
Contacteur application	Resistive load Motor control
Utilisation category	AC-1 AC-3
Control circuit type	AC
Coil type	Standard
Poles description	2P
Pole contact composition	2 NO
[Ie] rated operational current	12 A (<= 55 °C) AC AC-1 for power circuit 6 A (<= 55 °C) AC AC-3 for power circuit
[Uc] control circuit voltage	48 V AC 50/60 Hz

## Complementary

Coil technology	Without built-in bidirectional peak limiting diode suppressor
Motor power kW	2.2 kW at 660...690 V AC 50/60 Hz 1.1 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz
Auxiliary contacts type	Type integrated in coil (1 NO)
Auxiliary contact composition	1 NO
Control circuit voltage limits	>= 0.20 Uc at <= 55 °C drop-out 50/60 Hz 0.85...1.1 Uc at <= 55 °C operational 50/60 Hz
[Ui] rated insulation voltage	690 V for control circuit conforming to BS 5424 690 V for power circuit conforming to CSA C22-2 No 14 690 V for control circuit conforming to IEC 60947 690 V for power circuit conforming to UL 508 690 V for power circuit conforming to BS 5424 690 V for power circuit conforming to IEC 60947 690 V for control circuit conforming to CSA C22-2 No 14 690 V for control circuit conforming to VDE 0110 group C 690 V for power circuit conforming to VDE 0110 group C
Mounting support	Rail Plate
Connections - terminals	Power circuit: screw clamp terminal 1 cable 0.5...6 mm <sup>2</sup> - cable stiffness: flexible - without cable end Power circuit: screw clamp terminal 2 cable 0.35...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end Power circuit: screw clamp terminal 2 cable 1.5...4 mm <sup>2</sup> - cable stiffness: solid Power circuit: screw clamp terminal 1 cable 1.5...6 mm <sup>2</sup> - cable stiffness: solid Power circuit: screw clamp terminal 2 cable 0.35...1.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Power circuit: screw clamp terminal 1 cable 0.35...6 mm <sup>2</sup> - cable stiffness: flexible - with cable end
Tightening torque	Power circuit: 0.8 N.m - on screw clamp terminal - cable 0.35...1.5 mm <sup>2</sup> - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 1.5...4 mm <sup>2</sup> - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 0.5...6 mm <sup>2</sup> - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 0.35...2.5 mm <sup>2</sup> - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 1.5...6 mm <sup>2</sup> - with screwdriver pozidriv

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[Ue] rated operational voltage	690 V AC <= 400 Hz for power circuit
[Ith] conventional free air thermal current	10 A at <= 55 °C for control circuit 12 A at <= 55 °C for power circuit
Irms rated making capacity	66 A at 690 V AC for power circuit conforming to NF C 63-110 66 A at 690 V AC for power circuit conforming to IEC 60947
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
Associated fuse rating	16 A gI at <= 440 V for power circuit 10 A gI for control circuit conforming to VDE 0660 10 A gI for control circuit conforming to IEC 60947
Average impedance	4 mOhm at 50 Hz - Ith 12 A for power circuit
Inrush power in VA	16 VA at 20 °C
Hold-in power consumption in VA	4.2 VA at 20 °C
Operating time	6...8 ms coil de-energisation and NO opening 8...16 ms coil energisation and NC opening 7...14 ms coil energisation and NO closing 8...10 ms between de-energisation of coil and closing of NC contact
Mechanical durability	10000000 cycles
Operating rate	1200 cyc/h
Height	56 mm
Width	27 mm
Depth	55.5 mm
Product weight	0.132 kg

## Environment

Standards	VDE 0660 BS 5424 IEC 60947 NF C 63-110
Product certifications	UL GOST CSA
IP degree of protection	IP20 conforming to VDE 0106
Protective treatment	TC conforming to IEC 60068
Ambient air temperature for operation	-20...50 °C
Ambient air temperature for storage	-50...70 °C
Operating altitude	2000 m without derating in temperature
Fire resistance	850 °C conforming to IEC 60695-2-1
Heat dissipation	1.4 W for control circuit