

LC1SK0600F7

TeSys SK mini contactor - 2P (2 NO) - AC-3 -
690 V 6 A - 110 V AC coil



Main

Range of product	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
[Ue] rated operational voltage	690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	12 A (<= 55 °C) AC AC-1 6 A at <= 440 V AC AC-3
Motor power kW	2.2 kW at 660...690 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 1.1 kW at 220...230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
Control circuit voltage	110 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 NF C 63-110 66 A at 690 V AC conforming to IEC 60947
Rated breaking capacity	52 A at <= 400 V for power circuit conforming to IEC 60947 52 A at <= 400 V for power circuit conforming to NF C 63-110
[Icw] rated short-time withstand current	50 A <= 55 °C power circuit
Associated fuse rating	16 A gI at <= 440 V for power circuit conforming to IEC 60947
Average impedance	4 mOhm at 50 Hz - Ith 12 A
[Ui] rated insulation voltage	690 V conforming to CSA C22.2 No 14 690 V conforming to UL 508 690 V conforming to BS 5424 690 V conforming to VDE 0110 group C 690 V conforming to IEC 60947
Mounting support	Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CSA UL
Connections - terminals	Power circuit: connector 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Power circuit: connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid Power circuit: connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end

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Tightening torque	0.8 N.m - on connector - with screwdriver pozidriv No 1
Operating time	7...14 ms coil energisation and NO closing 6...8 ms coil de-energisation and NO opening
Mechanical durability	10 Mcycles
Operating rate	1200 cyc/h

Complementary

Control circuit voltage limits	0.2...0.75 U _c at ≤ 50 °C drop-out 0.85...1.1 U _c at ≤ 50 °C operational
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 DIN 50015 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
Height	56 mm
Width	27 mm
Depth	55.5 mm
Product weight	0.132 kg

Contractual warranty

Period	18 months
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