

LC1SK0600B7

contactor TeSys LC1-SK - 2 poles - AC-3 400V
6 A - coil 24 V AC



Main

Range of product	TeSys SK
Product or component type	Contacteur
Device short name	LC1SK
Contacteur application	Motor control Resistive load
Utilisation category	AC-3 AC-1
Control circuit type	AC
Coil type	Standard
Poles description	2P
Pole contact composition	2 NO
[Ie] rated operational current	6 A ($\leq 55^{\circ}\text{C}$) AC AC-3 for power circuit 12 A ($\leq 55^{\circ}\text{C}$) AC AC-1 for power circuit
[Uc] control circuit voltage	24 V AC 50/60 Hz

Complementary

Coil technology	Without built-in bidirectional peak limiting diode suppressor
Motor power kW	1.1 kW at 220...230 V AC 50/60 Hz 2.2 kW at 660...690 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	0.85...1.1 U _c at $\leq 55^{\circ}\text{C}$ operational 50/60 Hz ≥ 0.20 U _c at $\leq 55^{\circ}\text{C}$ drop-out 50/60 Hz
[Ui] rated insulation voltage	690 V for control circuit conforming to IEC 60947 690 V for power circuit conforming to VDE 0110 group C 690 V for power circuit conforming to IEC 60947 690 V for control circuit conforming to BS 5424 690 V for power circuit conforming to BS 5424 690 V for power circuit conforming to UL 508 690 V for control circuit conforming to CSA C22-2 No 14 690 V for power circuit conforming to CSA C22-2 No 14 690 V for control circuit conforming to VDE 0110 group C
Mounting support	Plate Rail
Connections - terminals	Power circuit: screw clamp terminal 1 cable 0.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit: screw clamp terminal 1 cable 1.5...6 mm ² - cable stiffness: solid Power circuit: screw clamp terminal 1 cable 0.35...6 mm ² - cable stiffness: flexible - with cable end Power circuit: screw clamp terminal 2 cable 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Power circuit: screw clamp terminal 2 cable 1.5...4 mm ² - cable stiffness: solid Power circuit: screw clamp terminal 2 cable 0.35...1.5 mm ² - cable stiffness: flexible - with cable end
Tightening torque	Power circuit: 0.8 N.m - on screw clamp terminal - cable 1.5...6 mm ² - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 0.35...1.5 mm ² - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 1.5...4 mm ² - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 0.35...2.5 mm ² - with screwdriver pozidriv Power circuit: 0.8 N.m - on screw clamp terminal - cable 0.5...6 mm ² - with screwdriver pozidriv

[Ue] rated operational voltage	690 V AC <= 400 Hz for power circuit
[Ith] conventional free air thermal current	12 A at <= 55 °C for power circuit 10 A at <= 55 °C for control circuit
Irms rated making capacity	66 A at 690 V AC for power circuit conforming to IEC 60947 66 A at 690 V AC for power circuit conforming to NF C 63-110
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
Associated fuse rating	10 A gl for control circuit conforming to IEC 60947 16 A gl at <= 440 V for power circuit 10 A gl for control circuit conforming to VDE 0660
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	8...10 ms between de-energisation of coil and closing of NC contact 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
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	BS 5424 NF C 63-110 VDE 0660 IEC 60947
Product certifications	CSA UL GOST
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