

LC1SK0600B7

TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V
6 A - 24 V AC coil



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
Poles description	2P
Pole contact composition	2 NO
[Ue] rated operational voltage	690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	6 A at ≤ 440 V AC AC-3 12 A (≤ 55 °C) AC AC-1
Motor power kW	1.1 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 2.2 kW at 660...690 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	24 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 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 ≤ 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 BS 5424 690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to UL 508 690 V conforming to CSA C22.2 No 14
Mounting support	Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CULus
Connections - terminals	Power circuit : connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid Power circuit : connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 2 cable(s) 1.5...4 mm ² - cable stiffness: solid
Tightening torque	0.8 N.m - on connector - with screwdriver pozidriv No 1
Operating time	6...8 ms coil de-energisation and NO opening

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

7...14 ms coil energisation and NO closing

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 IEC 60068 TC conforming to DIN 50015
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