

LC1SKGC310E7

TeSys SK mini contactor - 3P (3 NO) - AC-3 -
690 V 9 A - 48 V AC coil



Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SKGC
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Power pole contact composition	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	690 V AC <= 400 Hz for signalling circuit 690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	9 A at <= 400 V AC AC-3 20 A (<= 50 °C) AC AC-1
Motor power kW	1.1 kW at 220...230 V AC 50/60 Hz 4 kW at 660...690 V AC 50/60 Hz 4 kW at 380...415 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
Control circuit voltage	48 V AC 50/60 Hz
Auxiliary contact composition	1 NO
[Ith] conventional free air thermal current	10 A at <= 55 °C for signalling circuit 20 A at <= 55 °C for power circuit
Irms rated making capacity	85 A AC conforming to IEC 60947 85 A AC conforming to NF C 63-110
Rated breaking capacity	68 A at <= 400 V conforming to IEC 60947 68 A at <= 400 V conforming to NF C 63-110
[Icw] rated short-time withstand current	60 A <= 55 °C power circuit
Associated fuse rating	10 A gI for signalling circuit conforming to VDE 0660 10 A gI for signalling circuit conforming to IEC 60947 20 A gI at <= 440 V for power circuit
Average impedance	4 mOhm at 50 Hz - Ith 20 A for power circuit
[Ui] rated insulation voltage	690 V for power circuit conforming to CSA C22.2 No 14 690 V for power circuit conforming to VDE 0110 group C 690 V for power circuit conforming to UL 508 690 V for power circuit conforming to IEC 60947 690 V for power circuit conforming to BS 5424
Mounting support	Panel Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CSA UL

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

Connections - terminals	Connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: flexible - with cable end Connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end Connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Connector 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid
Tightening torque	Power circuit : 0.8 N.m - on connector - with screw-driver 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 Uc at ≤ 55 °C drop-out 50/60 Hz 0.85...1.1 Uc at ≤ 55 °C operational 50/60 Hz
Inrush power in VA	23 VA at 20 °C 50/60 Hz
Hold-in power consumption in VA	4.9 VA at 20 °C 50/60 Hz
Heat dissipation	1.5 W at 50/60 Hz
Signalling circuit frequency	≤ 400 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	58 mm
Width	45 mm
Depth	56 mm
Product weight	0.175 kg