

Product data sheet

Specifications



TeSys SK mini contactor - 4P (4 NO) - AC-1 - 690 V 20 A - 120 V AC coil

LC1SKGC400G7

! Discontinued

Main

Range	TeSys
Product Name	TeSys SK
Product Or Component Type	Mini contactor
Device Short Name	LC1SKGC
Contactor Application	Resistive load
Utilisation Category	AC-1
Power Pole Contact Composition	4P
Pole Contact Composition	4 NO
[Ie] Rated Operational Current	20 A (at <50 °C) AC AC-1
[Ue] Rated Operational Voltage	Power circuit: 690 V AC 50/60 Hz

Complementary

Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	120 V AC 50/60 Hz
[Ith] Conventional Free Air Thermal Current	20 A (at 55 °C) for power circuit
Irms Rated Making Capacity	85 A AC conforming to NF C 63-110 85 A AC conforming to IEC 60947
Rated Breaking Capacity	68 A at <= 400 V conforming to NF C 63-110 68 A at <= 400 V conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	60 A 55 °C for power circuit
Associated Fuse Rating	20 A gI at <= 440 V for power circuit
Average Impedance	4 mOhm - Ith 20 A 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to UL 508 Power circuit: 690 V conforming to VDE 0110 group C Power circuit: 690 V conforming to CSA C22.2 No 14
Mounting Support	Rail Panel
Standards	EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1

Disclaimer: 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

Product Certifications	CB Scheme CE UKCA EAC cULus
Connections - Terminals	Connector 1 cable(s) 1.5...6 mm²solid Connector 2 cable(s) 1.5...4 mm²solid Connector 1 cable(s) 0.5...6 mm²flexible without cable end Connector 2 cable(s) 0.35...2.5 mm²flexible without cable end Connector 1 cable(s) 0.35...6 mm²flexible with cable end Connector 2 cable(s) 0.35...1.5 mm²flexible with cable end
Tightening Torque	Power circuit: 0.8 N.m - on connector - with screwdriver pozidriv No 1
Operating Time	6...8 ms coil de-energisation and NO opening 7...14 ms coil energisation and NO closing
Mechanical Durability	10 Mcycles
Maximum Operating Rate	1200 cyc/h
Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc at 50/60 Hz (at <55 °C) Drop-out: 0.2...0.75 Uc at 50/60 Hz (at <55 °C)
Inrush Power In Va	23 VA 50/60 Hz (at 20 °C)
Hold-In Power Consumption In Va	4.9 VA 50/60 Hz (at 20 °C)
Heat Dissipation	1.5 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
Height	58 mm
Width	45 mm
Depth	56 mm
Net Weight	0.175 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.4 cm
Package 1 Width	6 cm
Package 1 Length	4.8 cm
Package 1 Weight	0.175 kg

Contractual warranty

Warranty	18 months
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