

Product datasheet

Specifications



TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 5 A - 48 V AC coil

Local distributor code: 384179712 LC1SKGC200E7

Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SKGC
Contactor application	Resistive load Motor control
Utilisation category	AC-1 AC-3
Power pole contact composition	2P
Pole contact composition	2 NO
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz
[Ie] rated operational current	5 A at <= 400 V AC AC-3 20 A (at <50 °C) AC AC-1
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	48 V AC 50/60 Hz
[Ith] conventional free air thermal current	20 A (at 55 °C) for power circuit
Irms rated making capacity	50 A AC conforming to NF C 63-110 50 A AC conforming to IEC 60947
Rated breaking capacity	40 A at <= 400 V conforming to NF C 63-110 40 A at <= 400 V conforming to IEC 60947
[Icw] rated short-time withstand current	40 A 55 °C for power circuit
Associated fuse rating	20 A gl 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
Standards	BS 5424 NF C 63-110 VDE 0660 IEC 60947
Product certifications	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

Complementary

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	16 VA 50/60 Hz (at 20 °C)
Hold-in power consumption in VA	4.2 VA 50/60 Hz (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
Height	56 mm
Width	27 mm
Depth	55.5 mm
Net weight	0.132 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	121.0 g
Package 1 Height	3.5 cm
Package 1 width	6 cm
Package 1 Length	7 cm
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Weight	5.003 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
--------------------------	-----------------------

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
----------	-----------