



## 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
[Ie] rated operational current	5 A at ≤ 400 V AC AC-3 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	230 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 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
Standards	VDE 0660 IEC 60947 NF C 63-110 BS 5424
Product certifications	cULus
Connections - terminals	Connector 1 cable(s) 1.5...6 mm <sup>2</sup> solid Connector 2 cable(s) 1.5...4 mm <sup>2</sup> solid Connector 1 cable(s) 0.5...6 mm <sup>2</sup> flexible without cable end Connector 2 cable(s) 0.35...2.5 mm <sup>2</sup> flexible without cable end Connector 1 cable(s) 0.35...6 mm <sup>2</sup> flexible with cable end Connector 2 cable(s) 0.35...1.5 mm <sup>2</sup> flexible 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 U <sub>c</sub> at 50/60 Hz (at <55 °C) Drop-out: 0.2...0.75 U <sub>c</sub> at 50/60 Hz (at <55 °C)

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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 Height	3.500 cm
Package 1 Width	6.000 cm
Package 1 Length	6.500 cm
Package 1 Weight	128.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.286 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
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
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