



## 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-3 AC-1
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 <122 °F (50 °C)) AC AC-1
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz

## Complementary

Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	240 V AC 50/60 Hz
[Ith] conventional free air thermal current	20 A (at 131 °F (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 131 °F (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 BS 5424 Power circuit 690 V IEC 60947 Power circuit 690 V UL 508 Power circuit 690 V VDE 0110 group C Power circuit 690 V CSA C22.2 No 14
Mounting Support	Rail
Standards	EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	CB Scheme[RETURN]CE[RETURN]UKCA[RETURN]EAC[RETURN]cULus
Connections - terminals	Connector 1 0.002...0.009 in <sup>2</sup> (1.5...6 mm <sup>2</sup> )solid Connector 2 0.002...0.006 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid Connector 1 0.0008...0.009 in <sup>2</sup> (0.5...6 mm <sup>2</sup> )flexible without cable end Connector 2 0.0005...0.004 in <sup>2</sup> (0.35...2.5 mm <sup>2</sup> )flexible without cable end Connector 1 0.0005...0.009 in <sup>2</sup> (0.35...6 mm <sup>2</sup> )flexible with cable end Connector 2 0.0005...0.002 in <sup>2</sup> (0.35...1.5 mm <sup>2</sup> )flexible with cable end
Tightening torque	Power circuit 7.08 lbf.in (0.8 N.m) connector 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 <131 °F (55 °C)) Drop-out: 0.2...0.75 Uc at 50/60 Hz (at <131 °F (55 °C))

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Inrush power in VA	16 VA 50/60 Hz (at 68 °F (20 °C))
Hold-in power consumption in VA	4.2 VA 50/60 Hz (at 68 °F (20 °C))
Heat dissipation	1.4 W 50/60 Hz

## Environment

IP degree of protection	IP2X VDE 0106
Protective treatment	TC IEC 60068 TC DIN 50015
Ambient Air Temperature for Operation	-4...122 °F (-20...50 °C)
Ambient Air Temperature for Storage	-58...158 °F (-50...70 °C)
Operating altitude	6561.68 ft (2000 m) without derating
Height	2.2 in (56 mm)
Width	1.06 in (27 mm)
Depth	2.2 in (55.5 mm)
Net Weight	0.291 lb(US) (0.132 kg)

## Ordering and shipping details

Category	US10I1222326
Discount Schedule	0I12
GTIN	3389110563085
Returnability	No
Country of origin	CZ

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.260 in (3.200 cm)
Package 1 Width	2.362 in (6.000 cm)
Package 1 Length	2.638 in (6.700 cm)
Package 1 Weight	4.550 oz (129.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	11.451 lb(US) (5.194 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	1280
Package 3 Height	53.150 in (135.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	388.455 lb(US) (176.200 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
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

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Warranty	18 months
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