



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 <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	230 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 ² (1.5...6 mm ²)solid Connector 2 0.002...0.006 in ² (1.5...4 mm ²)solid Connector 1 0.0008...0.009 in ² (0.5...6 mm ²)flexible without cable end Connector 2 0.0005...0.004 in ² (0.35...2.5 mm ²)flexible without cable end Connector 1 0.0005...0.009 in ² (0.35...6 mm ²)flexible with cable end Connector 2 0.0005...0.002 in ² (0.35...1.5 mm ²)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	3389110563061
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.378 in (3.500 cm)
Package 1 Width	2.362 in (6.000 cm)
Package 1 Length	2.559 in (6.500 cm)
Package 1 Weight	4.515 oz (128.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	11.654 lb(US) (5.286 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	1280
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	390.554 lb(US) (177.152 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
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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