

# Product data sheet

## Characteristics

# LC1SK0600G7

TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 6 A - 120 V AC coil

Product availability : Non-Stock - Not normally stocked in distribution facility

Price\* : 122.40 USD



### Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SK
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Power pole contact composition	2P
Pole contact composition	2 NO
System Voltage	690 V AC 50/60 Hz power circuit
[Ie] rated operational current	6 A at <= 440 V AC AC-3 12 A (<= 131 °F (55 °C)) AC AC-1
Motor power kW	1.1 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 2.2 kW at 660...690 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	120 V AC 50/60 Hz
[Ith] conventional free air thermal current	12 A at <= 131 °F (55 °C) for power circuit
Irms rated making capacity	66 A at 690 V AC conforming to IEC 60947 66 A at 690 V AC conforming to NF C 63-110
Rated breaking capacity	52 A at <= 400 V for power circuit conforming to NF C 63-110 52 A at <= 400 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	50 A <= 131 °F (55 °C) power circuit
Associated fuse rating	16 A gI at <= 440 V for power circuit conforming to IEC 60947
Average impedance	4 mOhm at 50 Hz - Ith 12 A
[Ui] rated insulation voltage	690 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to UL 508
Mounting support	Rail
Standards	BS 5424

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

IEC 60947  
NF C 63-110  
VDE 0660

Product certifications	cULus
Connections - terminals	Power circuit: connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.35...6 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.5...6 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 0...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) - cable stiffness: solid Power circuit: connector 2 cable(s) 0...0 in <sup>2</sup> (0.35...1.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Power circuit: connector 2 cable(s) 0...0 in <sup>2</sup> (0.35...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Power circuit: connector 2 cable(s) 0...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> ) - cable stiffness: solid
Tightening torque	7.08 lbf.in (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
Operating rate	1200 cyc/h

### Complementary

Control circuit voltage limits	0.2...0.75 Uc at <= 122 °F (50 °C) drop-out 0.85...1.1 Uc at <= 122 °F (50 °C) operational
Inrush power in VA	16 VA at 68 °F (20 °C)
Hold-in power consumption in VA	4.2 VA at 68 °F (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	-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 in temperature
Height	2.2 in (56 mm)
Width	1.06 in (27 mm)
Depth	2.19 in (55.5 mm)
Product weight	0.29 lb(US) (0.132 kg)

### Ordering and shipping details

Category	22326 - CTR,K-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	003389110563870
Nbr. of units in pkg.	1
Package weight(Lbs)	0.28999999999999998
Returnability	N
Country of origin	CZ

### Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

### Contractual warranty

Warranty period	18 months
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