Product data sheet
Characteristics

LC1K09008B7TQ
contactor TeSys K, 4P (2NO+2NC) , AC-1, 440V 20A , coil 24V AC

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

Price*: 81.00 USD

Main

Product or Component Type	Contactor
Device short name	LC1K
Contactor application	Resistive load

Complementary

Utilisation category	AC-1
Poles description	4P
Pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	Power circuit <= 690 V AC <= 400 Hz Signalling circuit <= 690 V AC <= 400 Hz
[Ie] rated operational current	20 A (at <140 °F (60 °C)) at <= 690 V AC AC-1 for power circuit
Control circuit type	AC 50/60 Hz standard
[Uc] control circuit voltage	24 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 KV
[Ith] conventional free air thermal current	20 A (at 140 °F (60 °C)) for power circuit 10 A (at 122 °F (50 °C)) for signalling circuit
Irms rated making capacity	110 A AC for power circuit conforming to IEC 60947
Rated breaking capacity	110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 110 A at 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947
[Icw] rated short-time withstand current	90 A 122 °F (50 °C) - 1 s for power circuit 85 A 122 °F (50 °C) - 5 s for power circuit 80 A 122 °F (50 °C) - 10 s for power circuit 60 A 122 °F (50 °C) - 30 s for power circuit 45 A 122 °F (50 °C) - 1 min for power circuit 40 A 122 °F (50 °C) - 3 min for power circuit 20 A 122 °F (50 °C) - >= 15 min for power circuit
Associated fuse rating	10 A gG for control circuit conforming to IEC 60947 10 A gG for control circuit conforming to VDE 0660 25 A gG at <= 440 V for power circuit
Average impedance	3 MOhm - Ith 20 A 50 Hz for power circuit

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein. *Prices are indicative

[Ui] rated insulation voltage	Control circuit 690 V BS 5424 Control circuit 690 V IEC 60947 Power circuit 690 V BS 5424 Power circuit 690 V IEC 60947 Power circuit 690 V NF C 20-040 Control circuit 750 V VDE 0110 group C Power circuit 750 V VDE 0110 group C Control circuit 600 V CSA C22.2 No 14 Power circuit 600 V UL 508 CSA C22.2 No 14
Insulation resistance	> 10 MOhm for control circuit
Inrush power in VA	30 VA (at 68 °F (20 °C))
Hold-in power consumption in VA	4.5 VA 50/60 Hz (at 68 °F (20 °C))
Control circuit voltage limits	Operational: 0.8...1.15 Uc at 50/60 Hz (at <122 °F (50 °C)) Drop-out: >= 0.20 Uc at 50/60 Hz (at <122 °F (50 °C))
Connections - terminals	Screw clamp terminals 1 0.00…0.01 in² (1.5…4 mm²)solid Screw clamp terminals 1 0.00…0.01 in² (0.75…4 mm²)flexible without cable end Screw clamp terminals 1 0.00…0.00 in² (0.34…2.5 mm²)flexible with cable end Screw clamp terminals 2 0.00…0.01 in² (1.5…4 mm²)solid Screw clamp terminals 2 0.00…0.01 in² (0.75…4 mm²)flexible without cable end screw clamp terminals 2 0.00…0.00 in² (0.34…1.5 mm²)flexible with cable end
Maximum operating rate	3600 Cyc/H
Coil technology	Without built-in bidirectional peak limiting diode suppressor
Minimum switching current	5 MA for control circuit
Minimum switching voltage	17 V for control circuit
Mounting Support	Rail Plate
Operating time	10...20 ms coil de-energisation and NO opening 15...25 ms coil de-energisation and NC opening 10...20 ms between energisation of coil and closing of NO contact 5...15 ms coil energisation and NC opening
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	10 Mcycles
Electrical durability	0.16 Mcycles 20 A AC-1 <= 690 V
Height	2.28 In (58 mm)
Width	1.77 In (45 mm)
Depth	2.24 In (57 mm)
Net Weight	0.40 Lb(US) (0.18 kg)

Environment

Standards	EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1
Product Certifications	CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RE-TURN]CE[RETURN]UKCA
Ambient Air Temperature for Storage	-58…176 °F (-50…80 °C)
Operating altitude	6561.68 ft (2000 m) without derating
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	Class C2 conforming to NF F 16-101 Class C2 conforming to NF F 16-102 V1 conforming to UL 94

Ordering and shipping details

Category	US10I1222326
Discount Schedule	0I12
GTIN	3389110488777
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.77 In (4.500 cm)
Package 1 Width	2.24 In (5.700 cm)
Package 1 Length	2.24 In (5.700 cm)
Package 1 Weight	6.00 Oz (170.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	30
Package 2 Height	2.80 In (7.100 cm)
Package 2 Width	11.61 In (29.500 cm)
Package 2 Length	11.93 In (30.300 cm)
Package 2 Weight	11.57 Lb(US) (5.246 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
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

Product Life Status : Commercialised