# LC1K09008B7

Contactor, TeSys K, 4P, 2 NO + 2 NC, AC-1, It or eq to 440V 10A, 24VAC coil





Main		
Range	TeSys	
Product or Component Type	Contactor	
Device short name	LC1K	
Device Application	Control	
Contactor application	Resistive load	

Utilisation category	AC-1	
Poles description	4P	
Power 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	
[le] 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	
[Uc] control circuit voltage	24 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	8 kV	
Overvoltage category	III	
[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 220230 V conforming to IEC 60947 110 A at 380400 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 660690 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	25 A gG at <= 440 V for power circuit 25 A aM for power circuit	
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit	
[Ui] rated insulation voltage	Power circuit 600 V UL 508 Power circuit 690 V IEC 60947-4-1 Power circuit 600 V CSA C22.2 No 14	
Inrush power in VA	30 VA (at 68 °F (20 °C))	
Hold-in power consumption in VA	4.5 VA (at 68 °F (20 °C))	
Heat dissipation	1.3 W	
Control circuit voltage limits	Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: >= 0.20 Uc (at <122 °F (50 °C))	

Screw clamp terminals 1 0.000.01 in² (1.54 mm²)solid
Screw clamp terminals 1 0.000.01 in² (0.754 mm²)flexible without cable end
Screw clamp terminals 1 0.000.00 in² (0.342.5 mm²)flexible with cable end
Screw clamp terminals 2 0.000.01 in² (1.54 mm²)solid
Screw clamp terminals 2 0.000.01 in² (0.754 mm²)flexible without cable end
Screw clamp terminals 2 0.000.00 in² (0.341.5 mm²)flexible with cable end
3600 cyc/h
<= 400 Hz
Plate
Rail
7.0811.51 Lbf.In (0.81.3 N.m) screw clamp terminals Philips No 2
7.0811.51 Lbf.In (0.81.3 N.m) screw clamp terminals flat $\varnothing$ 6 mm
7.0811.51 lbf.in (0.81.3 N.m) screw clamp terminals pozidriv No 2
1020 ms coil de-energisation and NO opening
1020 ms coil energisation and NO closing
1525 ms coil de-energisation and NC closing
515 ms coil energisation and NC opening
B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1
B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
10 Mcycles
0.16 Mcycles 20 A AC-1 <= 690 V
Shocks contactor closed, on X axis10 Gn for 11 ms IEC 60068-2-27
Shocks contactor closed, on Y axis15 Gn for 11 ms IEC 60068-2-27
Shocks contactor closed, on Z axis15 Gn for 11 ms IEC 60068-2-27
Shocks contactor opened, on X axis6 Gn for 11 ms IEC 60068-2-27
Shocks contactor opened, on Y axis10 Gn for 11 ms IEC 60068-2-27
Shocks contactor opened, on Z axis10 Gn for 11 ms IEC 60068-2-27
Vibrations contactor closed4 Gn, 5300 Hz IEC 60068-2-6 Vibrations contactor opened2 Gn, 5300 Hz IEC 60068-2-6
2.28 in (58 mm)
1.77 in (45 mm)
2.24 in (57 mm)
0.40 lb(US) (0.18 kg)
EN/IEC 60947-4-1
GB/T 14048.4

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[RETURN]CE[RETURN]UKC
IP degree of protection	IP2X VDE 0106
Protective treatment	TC IEC 60068 TC DIN 50016
Ambient Air Temperature for Storage	-58176 °F (-5080 °C)
Operating altitude	6561.68 ft (2000 m) without derating
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102

## Ordering and shipping details

Category	US10I1222326	
Discount Schedule	0112	
GTIN	3389110488760	
Returnability	Yes	
Country of origin	SG	

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.89 in (4.800 cm)
Package 1 Width	2.44 in (6.200 cm)
Package 1 Length	2.56 in (6.500 cm)
Package 1 Weight	6.32 oz (179.100 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	20.32 lb(US) (9.215 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	800
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	31.50 in (80.000 cm)
Package 3 Length	23.62 in (60.000 cm)
Package 3 Weight	342.69 lb(US) (155.440 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 EEU 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

To the detail that tall is		
Warranty	18 months	