

Product data sheet

Specifications



Contactor, TeSys K, 3P, AC-3, It or eq to 440V 6A, 1 NC aux., 24VAC coil

LC7K06015B7

! Discontinued

Main

Range of Product	TeSys K
Range	TeSys
Product name	TeSys K
Device Application	Control
Product or Component Type	Contactor
Utilisation category	AC-3 AC-4
Poles description	3P
Pole contact composition	3 NO
[Uc] control circuit voltage	Instantaneous 1 NC
Signalling circuit frequency	<= 400 Hz
Non overlap distance	0.02 in (0.5 mm)

Complementary

Contactor application	Motor control
Auxiliary contact composition	1 NC
Control circuit voltage limits	Operational: 0.85...1.1 Uc (at <122 °F (50 °C)) Drop-out: 0.1...0.75 Uc (at <122 °F (50 °C))
Control circuit type	AC 50/60 Hz silent
[Uc] control circuit voltage	24 V AC 50/60 Hz
Connections - terminals	solder pins 1.5 x 0.9 mm
Electrical durability	1.3 Mcycles 6 A AC-3 <= 440 V
Mechanical robustness	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, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened2 Gn, 5...300 Hz IEC 60068-2-6
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
IP degree of protection	IP2X VDE 0106

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Protective treatment	TC IEC 60068 TC DIN 50016
[Ui] rated insulation voltage	Power circuit 600 V UL 508 Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-5-1 Signalling circuit 690 V IEC 60947-5-1 Signalling circuit 600 V UL 508 Power circuit 600 V CSA C22.2 No 14 Signalling circuit 600 V CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
Mounting Support	Printed circuit boards
Product Certifications	CB Scheme CCC UL CSA EAC CE UKCA
Ambient Air Temperature for Storage	-58...176 °F (-50...80 °C)
Operating altitude	6561.68 ft (2000 m) without derating
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz
[Ith] conventional free air thermal current	20 A (at 122 °F (50 °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 NF C 63-110 110 A AC for power circuit conforming to IEC 60947 110 A AC for signalling circuit conforming to IEC 60947
Rated breaking capacity	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 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947
Associated fuse rating	25 A gG at <= 440 V for power circuit 25 A aM for power circuit 10 A gG for signalling circuit conforming to IEC 60947 10 A gG for signalling circuit conforming to VDE 0660
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit
Inrush power in VA	3 VA (at 68 °F (20 °C))
Hold-in power consumption in VA	3 VA (at 68 °F (20 °C))
Operating time	30...40 ms coil energisation and NO closing 30 ms coil de-energisation and NO 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
Maximum operating rate	3600 cyc/h
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Insulation resistance	> 10 MOhm for signalling circuit
Height	2.3 in (58 mm)
Width	1.8 in (45 mm)
Depth	2.2 in (57 mm)

Compatibility code	LC7K
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Environment

Motor power kW	1.5 kW 220...230 V AC 50/60 Hz 2.2 kW 380...415 V AC 50/60 Hz 3 kW 440 V AC 50/60 Hz 3 kW 480 V AC 50/60 Hz 3 kW 500...600 V AC 50/60 Hz 3 kW 660...690 V AC 50/60 Hz
Heat dissipation	3 W
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	18400-WORLD SERVICE PARTS(CONTACTORS)
Discount Schedule	CP10
GTIN	3389110493955
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.9 in (4.8 cm)
Package 1 Width	2.4 in (6.2 cm)
Package 1 Length	2.6 in (6.6 cm)
Package weight(Lbs)	0.562 lb(US) (0.255 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.