## **Product data sheet**

Specifications





# Reversing contactor, TeSys K, 3P, AC-3, It or eq to 440V 6A, 1 NO, 24VAC coil

LC2K06105B7

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



#### Main

Range	TeSys
Product Name	TeSys K
Product Or Component Type	Reversing contactor
Device Short Name	LC2K
Device Application	Control
Contactor Application	Motor control
Utilisation Category	AC-4 AC-3 AC-3e
Device Presentation	Preassembled with reversing power busbar
Poles Description	3P
Power Pole Contact Composition	3 NO
[Ue] Rated Operational Voltage	Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz
[le] Rated Operational Current	6 A at <= 440 V AC AC-3 for power circuit 6 A at <= 440 V AC AC-3e for power circuit
Motor Power Kw	1.5 kW 220230 V AC 50/60 Hz 2.2 kW 380415 V AC 50/60 Hz 3 kW 440 V AC 50/60 Hz 3 kW 480 V AC 50/60 Hz 3 kW 500600 V AC 50/60 Hz 3 kW 660690 V AC 50/60 Hz
Control Circuit Type	AC 50/60 Hz
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz
Auxiliary Contact Composition	1 NO
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[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 220230 V conforming to IEC 60947 110 A at 380400 V conforming to IEC 60947 70 A at 660690 V conforming to IEC 60947

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



[lcw] 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  80 A - 1 s for signalling circuit  90 A - 500 ms for signalling circuit  110 A - 100 ms for signalling 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 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
[Ui] Rated Insulation Voltage	Power circuit 600 V UL 508 Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-4-1 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
Electrical Durability	1.3 Mcycles 6 A AC-3 <= 440 V 1.3 Mcycles 6 A AC-3e <= 440 V 0.05 Mcycles 36 A AC-4 <= 440 V
Interlocking Type	Mechanical
Mounting Support	Rail Plate
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 CCC UL CSA EAC CE UKCA
Connections - Terminals	solder pins 0.00 in (0.035 mm))
Operating Time	1020 ms coil energisation and NO closing 1020 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	5 Mcycles
Maximum Operating Rate	3600 cyc/h
Complementary	
Control Circuit Voltage Limits	Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: 0.20.75 Uc (at <122 °F (50 °C))
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
Auxiliary Contacts Type	Instantaneous 1 NO
Signalling Circuit Frequency	<= 400 Hz
Minimum Switching Current	5 mA for signalling circuit
Minimum Switching Voltage	17 V for signalling circuit

Non Overlap Distance	0.02 in (0.5 mm)
Insulation Resistance	> 10 MOhm for signalling circuit

#### **Environment**

Degree Of Protection IP20 VDE 0106	
Protective Treatment	TC IEC 60068 TC DIN 50016
Ambient Air Temperature For Operation	-13122 °F (-2550 °C)
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
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 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
Height	2.28 in (58 mm)
Width	3.54 in (90 mm)
Depth	2.24 in (57 mm)
Net Weight	0.86 lb(US) (0.39 kg)

## Ordering and shipping details

Category	US10l1222327
Discount Schedule	0112
Gtin	3389110491326
Returnability	No

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.40 in (6.100 cm)
Package 1 Width	2.76 in (7.000 cm)
Package 1 Length	3.70 in (9.400 cm)
Package 1 Weight	14.11 oz (400.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	25
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	22.95 lb(US) (10.410 kg)
Unit Type Of Package 3	P06

Number Of Units In Package 3	200
Package 3 Height	16.93 in (43.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	198.42 lb(US) (90.000 kg)

### **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

#### Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>9</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration  Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information