

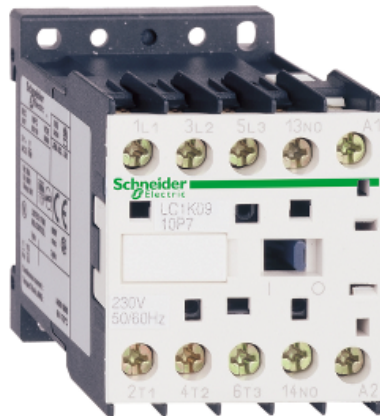
# Product data sheet

## Characteristics

# LC1K0910P7

TeSys K contactor - 3P - AC-3  $\leq$  440 V 9 A - 1  
NO aux. - 230 V AC coil

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



### Main

|                           |                                 |
|---------------------------|---------------------------------|
| Range                     | TeSys                           |
| Product or component type | Contacteur                      |
| Product name              | TeSys K                         |
| Device application        | Control                         |
| Contacteur application    | Resistive load<br>Motor control |

### Complementary

|                                |  |
|--------------------------------|--|
| Utilisation category           | AC-4<br>AC-1<br>AC-3   |
| Poles description              | 3P   |
| Power pole contact composition | 3 NO   |
| [Ie] rated operational current | 20 A 122 °F (50 °C)) $\leq$ 440 V AC AC-1 power circuit<br>9 A $\leq$ 440 V AC AC-3 power circuit<br>16 A 158 °F (70 °C)) 690 V AC AC-1 power circuit  |
| Control circuit type           | AC 50/60 Hz  |
| [Uc] control circuit voltage   | 230 V AC 50/60 Hz  |
| Motor power kW                 | 2.2 kW 220...230 V AC 50/60 Hz AC-3<br>4 kW 380...415 V AC 50/60 Hz AC-3<br>4 kW 440 V AC 50/60 Hz AC-3<br>4 kW at 480 V AC 50/60 Hz AC-3<br>4 kW 500...600 V AC 50/60 Hz AC-3<br>4 kW 660...690 V AC 50/60 Hz AC-3<br>2.2 kW 400 V AC 50/60 Hz AC-4 |
| Auxiliary contact composition  | 1 NO   |
| Overvoltage category           | III  |

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

|   |   |
|---|---|
| [Ith] conventional free air thermal current | 20 A 122 °F (50 °C) power circuit<br>10 A 122 °F (50 °C) signalling circuit   |
| Irms rated making capacity                  | 110 A AC power circuit NF C 63-110<br>110 A AC power circuit IEC 60947<br>110 A AC signalling circuit IEC 60947   |
| Rated breaking capacity                     | 110 A 415 V IEC 60947<br>110 A 440 V IEC 60947<br>80 A 500 V IEC 60947<br>110 A 220...230 V IEC 60947<br>110 A 380...400 V IEC 60947<br>70 A 660...690 V IEC 60947  |
| Associated fuse rating                      | 25 A gG <= 440 V power circuit<br>25 A aM power circuit<br>10 A gG for signalling circuit conforming to IEC 60947<br>10 A gG signalling circuit VDE 0660  |
| Average impedance                           | 3 mOhm - Ith 20 A 50 Hz power circuit   |
| Insulation resistance                       | > 10 MOhm signalling circuit  |
| Inrush power in VA                          | 30 VA 68 °F (20 °C))  |
| Hold-in power consumption in VA             | 4.5 VA 68 °F (20 °C))   |
| Heat dissipation                            | 1.3 W   |
| Control circuit voltage limits              | Operational 0.8...1.15 Uc 122 °F (50 °C))<br>Drop-out 0.2...0.75 Uc 122 °F (50 °C))   |
| Maximum operating rate                      | 3600 cyc/h  |
| Auxiliary contacts type                     | type instantaneous 1 NO   |
| Signalling circuit frequency                | <= 400 Hz   |
| Minimum switching current                   | 5 mA for signalling circuit   |
| Minimum switching voltage                   | 17 V signalling circuit   |
| Operating time                              | 10...20 ms coil de-energisation and NO opening<br>10...20 ms coil energisation and NO closing   |
| Safety reliability level                    | B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1<br>B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1  |
| Non overlap distance                        | 0.02 in (0.5 mm)  |
| Mechanical robustness                       | Shocks contactor closed, on X axis: 10 Gn for 11 ms conforming to IEC 60068-2-27<br>Shocks contactor closed, on Y axis 15 Gn for 11 ms IEC 60068-2-27<br>Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27<br>Shocks contactor opened, on X axis 6 Gn for 11 ms IEC 60068-2-27<br>Shocks contactor opened, on Y axis 10 Gn for 11 ms IEC 60068-2-27<br>Shocks contactor opened, on Z axis 10 Gn for 11 ms IEC 60068-2-27<br>Vibrations contactor closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6<br>Vibrations contactor opened 2 Gn, 5...300 Hz IEC 60068-2-6 |

## Environment

|                        |  |
|------------------------|--|
| Product certifications | CSA<br>UL  |
| Protective treatment   | TC IEC 60068<br>TC DIN 50016                                       |
| Operating altitude     | 2000 m without derating  |
| Flame retardance       | V1 UL 94<br>Requirement 2 NF F 16-101<br>Requirement 2 NF F 16-102 |

## Ordering and shipping details

|                       |                                   |
|-----------------------|-----------------------------------|
| Category              | 22326 - CTR,K-LINE,AC,OPEN,NONREV |
| Discount Schedule     | I12                               |
| GTIN                  | 00785901655473                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 0.41 lb(US) (0.19 kg)             |
| Returnability         | No                                |
| Country of origin     | FR                                |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Package 1 Height             | 1.89 in (4.8 cm)          |
| Package 1 width              | 2.44 in (6.2 cm)          |
| Package 1 Length             | 2.60 in (6.6 cm)          |
| Unit Type of Package 2       | S02                       |
| Number of Units in Package 2 | 50                        |
| Package 2 Weight             | 20.84 lb(US) (9.455 kg)   |
| Package 2 Height             | 5.91 in (15 cm)           |
| Package 2 width              | 11.81 in (30 cm)          |
| Package 2 Length             | 15.75 in (40 cm)          |
| Unit Type of Package 3       | P06                       |
| Number of Units in Package 3 | 800                       |
| Package 3 Weight             | 350.49 lb(US) (158.98 kg) |
| Package 3 Height             | 31.50 in (80 cm)          |
| Package 3 width              | 31.50 in (80 cm)          |
| Package 3 Length             | 23.62 in (60 cm)          |

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| 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 |
|----------|-----------|