



## Main

|                                |   |
|--------------------------------|---|
| Range of product               | TeSys K   |
| Range                          | TeSys   |
| Product or component type      | Contacteur  |
| Device short name              | LP1K  |
| Contacteur application         | Motor control   |
| Utilisation category           | AC-3<br>AC-4<br>AC-3e   |
| Poles description              | 3P  |
| Pole contact composition       | 3 NO  |
| [Ie] rated operational current | 6 A at <= 440 V AC AC-3 for power circuit<br>6 A at <= 440 V AC AC-3e for power circuit |
| Auxiliary contact composition  | 1 NC  |

## Complementary

|  |  |
|--|--|
| Auxiliary contacts type                                  | Type instantaneous 1 NC  |
| Control circuit voltage limits                           | Operational: 0.8...1.15 U <sub>c</sub> (at <50 °C)<br>Drop-out: 0.1...0.75 U <sub>c</sub> (at <50 °C)  |
| [U <sub>i</sub> ] rated insulation voltage               | Power circuit: 600 V conforming to UL 508<br>Power circuit: 690 V conforming to IEC 60947-4-1<br>Signalling circuit: 690 V conforming to IEC 60947-4-1<br>Signalling circuit: 690 V conforming to IEC 60947-5-1<br>Signalling circuit: 600 V conforming to UL 508<br>Power circuit: 600 V conforming to CSA C22.2 No 14<br>Signalling circuit: 600 V conforming to CSA C22.2 No 14 |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 8 kV   |
| Overvoltage category                                     | III  |
| Mounting support   | Rail<br>Plate  |
| Flame retardance   | V1 conforming to UL 94<br>Requirement 2 conforming to NF F 16-101<br>Requirement 2 conforming to NF F 16-102   |
| Tightening torque  | 0.8...1.3 N.M - on screw clamp terminals Philips No 2<br>0.8...1.3 N.m - on screw clamp terminals flat Ø 6 mm  |
| [U <sub>e</sub> ] rated operational voltage              | Power circuit: 690 V AC 50/60 Hz<br>Signalling circuit: <= 690 V AC 50/60 Hz   |
| [I <sub>th</sub> ] conventional free air thermal current | 20 A (at 50 °C) for power circuit<br>10 A (at 50 °C) for signalling circuit  |
| I <sub>rms</sub> rated making capacity                   | 110 A AC for power circuit conforming to NF C 63-110<br>110 A AC for power circuit conforming to IEC 60947<br>110 A AC for signalling circuit conforming to IEC 60947  |
| Rated breaking capacity                                  | 110 A at 415 V conforming to IEC 60947<br>110 A at 440 V conforming to IEC 60947<br>80 A at 500 V conforming to IEC 60947<br>110 A at 220...230 V conforming to IEC 60947<br>110 A at 380...400 V conforming to IEC 60947<br>70 A at 660...690 V conforming to IEC 60947   |
| Associated fuse rating                                   | 25 A gG at <= 440 V for power circuit<br>25 A aM for power circuit<br>10 A gG for signalling circuit conforming to IEC 60947<br>10 A gG for signalling circuit conforming to VDE 0660  |
| Average impedance  | 3 mOhm - I <sub>th</sub> 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.

|                                |  |
|--------------------------------|--|
| Inrush power in W              | 3 W (at 20 °C)   |
| Hold-in power consumption in W | 3 W at 20 °C   |
| Operating time                 | 30...40 ms coil energisation and NO closing<br>10 ms coil de-energisation and NO opening   |
| Safety reliability level       | B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1<br>B10d = 20000000 cycles contactor with mechanical load conforming to 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                         | 58 mm  |
| Width                          | 45 mm  |
| Depth                          | 57 mm  |
| Product weight                 | 0.225 kg   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-4-1<br>GB/T 14048.4<br>UL 60947-4-1<br>CSA C22.2 No 60947-4-1<br>JIS C8201-4-1 |
| Product certifications                | CB Scheme<br>CCC<br>UL<br>CSA<br>EAC<br>CE<br>UKCA  |
| Ambient air temperature for operation | -25...50 °C   |
| Ambient air temperature for storage   | -50...80 °C   |
| Operating altitude                    | 2000 m without derating   |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Height             | 4.500 cm   |
| Package 1 Width              | 6.000 cm   |
| Package 1 Length             | 6.500 cm   |
| Package 1 Weight             | 221.000 g  |
| Unit Type of Package 2       | S02        |
| Number of Units in Package 2 | 40         |
| Package 2 Height             | 15.000 cm  |
| Package 2 Width              | 30.000 cm  |
| Package 2 Length             | 40.000 cm  |
| Package 2 Weight             | 9.093 kg   |
| Unit Type of Package 3       | P06        |
| Number of Units in Package 3 | 640        |
| Package 3 Height             | 75.000 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 60.000 cm  |
| Package 3 Weight             | 153.488 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>   |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| RoHS exemption information | <a href="#">Yes</a>   |
| 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   |
| 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> |

## Contractual warranty

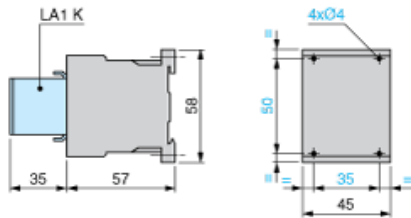
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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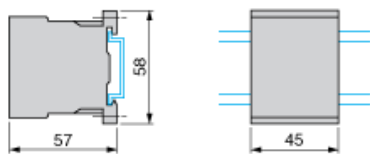
Dimensions

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Contactors LC1 K, LP1 K, LP4 K: Mounting on Panel



Contactors LC1 K, LP1 K, LP4 K: Mounting on Rail AM1 DP200 or AM1 DE200 (35 mm)

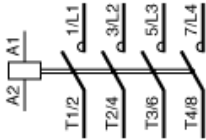


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Wiring

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3-Pole Contactors: 3P + N/O



3-Pole Contactors: 3P + N/C

