



Price\* : 92.00 USD



## Main

|                                |                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product               | TeSys K                                                                                                                                             |
| Range                          | TeSys                                                                                                                                               |
| Product or component type      | Contactor                                                                                                                                           |
| Device short name              | LP1K                                                                                                                                                |
| Contactor application          | Resistive load<br>Motor control                                                                                                                     |
| Utilisation category           | AC-3<br>AC-4<br>AC-1                                                                                                                                |
| Poles description              | 3P                                                                                                                                                  |
| 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 |
| Auxiliary contact composition  | 1 NO                                                                                                                                                |

## Complementary

|                                        |                                                                                                                                                                                                                                                                           |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auxiliary contacts type                | Instantaneous 1 NO                                                                                                                                                                                                                                                        |
| Control circuit voltage limits         | Operational 0.8...1.15 U <sub>c</sub> 122 °F (50 °C))<br>Drop-out 0.1...0.75 U <sub>c</sub> 122 °F (50 °C))                                                                                                                                                               |
| [Ui] rated insulation voltage          | Power circuit 600 V UL 508<br>Power circuit 690 V IEC 60947-4-1<br>Signalling circuit 690 V IEC 60947-4-1<br>Signalling circuit 690 V IEC 60947-5-1<br>Signalling circuit 600 V UL 508<br>Power circuit 600 V CSA C22.2 No 14<br>Signalling circuit 600 V CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 8 kV                                                                                                                                                                                                                                                                      |

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

|                                             |                                                                                                                                                                    |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                           | 11.51 lbf.in (1.3 N.m) screw clamp terminals Philips No 2<br>11.51 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm                                              |
| [Ue] rated operational voltage              | Power circuit 690 V AC 50/60 Hz<br>Signalling circuit ≤ 690 V AC 50/60 Hz                                                                                          |
| [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 signalling circuit IEC 60947<br>10 A gG signalling circuit VDE 0660                              |
| Average impedance                           | 3 mOhm - Ith 20 A 50 Hz power circuit                                                                                                                              |
| Inrush power in W                           | 3 W 68 °F (20 °C))                                                                                                                                                 |
| Hold-in power consumption in W              | 3 W 68 °F (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 EN/ISO 13849-1<br>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 signalling circuit                                                                                                                                            |
| Minimum switching voltage                   | 17 V signalling circuit                                                                                                                                            |
| Insulation resistance                       | > 10 MOhm signalling circuit                                                                                                                                       |
| Height                                      | 2.28 in (58 mm)                                                                                                                                                    |
| Width                                       | 1.77 in (45 mm)                                                                                                                                                    |
| Depth                                       | 2.24 in (57 mm)                                                                                                                                                    |
| Net Weight                                  | 0.50 lb(US) (0.225 kg)                                                                                                                                             |

## Environment

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Product certifications                | UL<br>CSA                            |
| Ambient air temperature for operation | -13...122 °F (-25...50 °C)           |
| Ambient air temperature for storage   | -58...176 °F (-50...80 °C)           |
| Operating altitude                    | 6561.68 ft (2000 m) without derating |

## Ordering and shipping details

|                       |                                   |
|-----------------------|-----------------------------------|
| Category              | 22321 - CTR,K-LINE,DC,OPEN,NONREV |
| Discount Schedule     | I12                               |
| GTIN                  | 03389110496420                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 7.65 oz (217 g)                   |
| 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              | 2.48 in (6.3 cm)        |
| Package 1 Length             | 2.72 in (6.9 cm)        |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 40                      |
| Package 2 Weight             | 20.24 lb(US) (9.179 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)        |

## 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 |
|----------|-----------|