

# Product data sheet

## Characteristics

# LP4K090045BW3

TeSys K contactor - 4P (4 NO) - AC-1 ≤ 440 V  
20 A - 24 V DC coil

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



Price\* : 110.00 USD



## Main

|                                |                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------|
| Range of product               | TeSys K                                                                                                |
| Range                          | TeSys                                                                                                  |
| Product or component type      | Contactor                                                                                              |
| Device short name              | LP4K                                                                                                   |
| Contactor application          | Resistive load                                                                                         |
| Utilisation category           | AC-1                                                                                                   |
| Poles description              | 4P                                                                                                     |
| Pole contact composition       | 4 NO                                                                                                   |
| [Ie] rated operational current | 20 A 122 °F (50 °C)) ≤ 440 V AC AC-1 power circuit<br>16 A 158 °F (70 °C)) 690 V AC AC-1 power circuit |

## Complementary

|                                             |                                                                                                              |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Coil technology                             | Built-in bidirectional peak limiting diode suppressor                                                        |
| Control circuit voltage limits              | Operational 0.7...1.30 U <sub>c</sub> 122 °F (50 °C))<br>Drop-out 0.1...0.7 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>Power circuit 600 V CSA C22.2 No 14       |
| [Uimp] rated impulse withstand voltage      | 8 kV                                                                                                         |
| Overvoltage category                        | III                                                                                                          |
| Mounting support                            | Printed circuit boards                                                                                       |
| 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 |
| [Ue] rated operational voltage              | Power circuit 690 V AC 50/60 Hz                                                                              |
| [Ith] conventional free air thermal current | 20 A 122 °F (50 °C) power circuit                                                                            |

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

Jul 30, 2021

|                                |                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Irms rated making capacity     | 110 A AC power circuit NF C 63-110<br>110 A AC power 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                                                                                                            |
| Average impedance              | 3 mOhm - lth 20 A 50 Hz power circuit                                                                                                                              |
| Inrush power in W              | 1.8 W 68 °F (20 °C))                                                                                                                                               |
| Hold-in power consumption in W | 1.8 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          | 30 Mcycles                                                                                                                                                         |
| Maximum operating rate         | 3600 cyc/h                                                                                                                                                         |
| Height                         | 2.28 in (58 mm)                                                                                                                                                    |
| Width                          | 1.77 in (45 mm)                                                                                                                                                    |
| Depth                          | 2.24 in (57 mm)                                                                                                                                                    |
| Net Weight                     | 0.52 lb(US) (0.235 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                  | 03389110498714                    |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 9.35 oz (265 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        | 2.44 in (6.2 cm) |
| Package 1 Length       | 2.60 in (6.6 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 |
|----------|-----------|