# **Product data sheet**

Specifications





## Contactor, TeSys K, 4P, 2 NO + 2 NC, AC-1, It or eq to 440V, 20A, 24VDC coil

LP1K09008BD

Product availability: Stock - Normally stocked in distribution facility

#### Price\*: 98.00 USD

### Main

Range	TeSys
Product Or Component Type	Contactor
Device Short Name	LP1K
Contactor Application	Resistive load

Complementary		
Utilisation Category	AC-1	
Poles Description	4P	
Power Pole Contact Composition	2 NO + 2 NC	
[Ue] Rated Operational Voltage	Power circuit <= 690 V AC <= 400 Hz Signalling circuit <= 690 V AC <= 400 Hz	
[Ie] Rated Operational Current	20 A (at <140 °F (60 °C)) at <= 690 V AC AC-1 for power circuit	
Control Circuit Type	DC standard	
[Uc] Control Circuit Voltage	24 V DC	
[Uimp] Rated Impulse Withstand Voltage	8 kV	
Overvoltage Category	III	
[Ith] Conventional Free Air Thermal Current	20 A (at 140 °F (60 °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 IEC 60947	
Rated Breaking Capacity	110 A at 220230 V conforming to IEC 60947 110 A at 380400 V conforming to IEC 60947 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 70 A at 660690 V conforming to IEC 60947	
[Icw] 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 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	
Average Impedance	3 mOhm - Ith 20 A 50 Hz for power circuit	

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

[Ui] Rated Insulation Voltage	Power circuit 600 V UL 508
	Power circuit 690 V IEC 60947-4-1
	Power circuit 600 V CSA C22.2 No 14
Inrush Power In W	3 W 68 °F (20 °C))
Hold-In Power Consumption In W	3 W 68 °F (20 °C)
Heat Dissipation	1.3 W
Control Circuit Voltage Limits	Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: >= 0.10 Uc (at <122 °F (50 °C))
Connections - Terminals	screw clamp terminals 1 0.000.01 in² (1.54 mm²)solid screw clamp terminals 1 0.000.01 in² (0.754 mm²)flexible without cable end screw clamp terminals 1 0.000.00 in² (0.342.5 mm��)flexible with cable end screw clamp terminals 2 0.000.01 in² (1.54 mm²)solid screw clamp terminals 2 0.000.01 in² (0.754 mm²)flexible without cable end screw clamp terminals 2 0.000.00 in² (0.341.5 mm²)flexible with cable end Power circuit screw clamp terminals 2 0.00 in² (1.5 mm²)flexible with cable end
Maximum Operating Rate	3600 cyc/h
Mounting Support	Rail Plate
Tightening Torque	7.0811.51 lbf.in (0.81.3 N.m) screw clamp terminals Philips No 2 7.0811.51 lbf.in (0.81.3 N.m) screw clamp terminals flat Ø 6 mm
Operating Time	3040 ms coil energisation and NO closing 10 ms coil de-energisation and NO opening 2535 ms coil energisation and NC opening 15 ms coil de-energisation and NC closing
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	10 Mcycles
Electrical Durability	0.16 Mcycles 20 A AC-1 <= 690 V
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	
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4
Product Certifications	CB Scheme CCC UL CSA EAC CE UKCA

-13122 °F (-2550 °C)
-58176 °F (-5080 °C)
6561.68 ft (2000 m) without derating
V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102

UKCA

IP2X

Ip Degree Of Protection

## Ordering and shipping details

Category	US10I1222321
Discount Schedule	0112
Gtin	3389110495836
Returnability	Yes
Country Of Origin	US

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.97 in (5.0 cm)
Package 1 Width	2.44 in (6.2 cm)
Package 1 Length	2.56 in (6.5 cm)
Package 1 Weight	7.76 oz (220.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	40
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	20.40 lb(US) (9.255 kg)

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free	
Mercury Free	
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
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 www.P65Warnings.ca.gov