Product data sheet

Specifications





TeSys

Contactor

Contactor, TeSys K, 3P, AC-3, It or eq to 440V, 9A, 1 NC aux, 24VDC coil

LP1K09015BD

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

Price*: 92.00 USD

Main Range

Product or Component Type

Troduct of Component Type	Contactor
Device short name	LP1K
contactor application	Motor control
	Resistive load
Complementary	
Utilisation category	AC-3
	AC-3e
	AC-1
	AC-4
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit <= 690 V AC <= 400 Hz
	Signalling circuit <= 690 V AC <= 400 Hz
[le] rated operational current	9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit
	9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit
	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
Motor power kW	2.2 kW 220230 V AC 50/60 Hz AC-3
	4 kW 380415 V AC 50/60 Hz AC-3
	4 kW 440/690 V AC 50/60 Hz AC-3
	2.2 kW 220230 V AC 50/60 Hz AC-3e
	4 kW 380415 V AC 50/60 Hz AC-3e
	4 kW 440/690 V AC 50/60 Hz AC-3e
	2.2 kW 220230 V AC 50/60 Hz AC-4
	4 kW 380415 V AC 50/60 Hz AC-4 4 kW 440/690 V AC 50/60 Hz AC-4
	4 KW 440/090 V AC 50/00 FIZ AC-4
Auxiliary contact composition	1 NC
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal	20 A (at 140 °F (60 °C)) for power circuit
current	10 A (at 122 °F (50 °C)) for signalling circuit

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

110 A AC for power circuit conforming to IEC 60947

110 A AC for signalling circuit conforming to IEC 60947



Irms rated making capacity

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
[lcw] rated short-time withstand current	90 A 122 °F (50 °C) - 1 s for power circuit
Current	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
	80 A - 1 s for signalling circuit
	90 A - 500 ms for signalling circuit
	110 A - 100 ms for signalling circuit
Associated fuse rating	25 A gG at <= 440 V for power circuit
	25 A aM for power circuit
	10 A gG for signalling circuit conforming to IEC 60947
	10 A gG for signalling circuit conforming to VDE 0660
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit
[Ui] rated insulation voltage	Power circuit 600 V UL 508
	Power circuit 690 V IEC 60947-4-1
	Signalling circuit 690 V IEC 60947-4-1
	Signalling circuit 690 V IEC 60947-5-1
	Signalling circuit 600 V UL 508
	Power circuit 600 V CSA C22.2 No 14
	Signalling circuit 600 V CSA C22.2 No 14
Insulation resistance	> 10 MOhm for signalling circuit
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	solder pins 0.001 in (0.035 mm))
Maximum operating rate	3600 cyc/h
Auxiliary contacts type	Instantaneous 1 NC
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Mounting Support	Printed circuit boards
Operating time	3040 ms coil energisation and NO closing
	10 ms coil de-energisation and NO opening
Safety reliability level	D404 = 4000000 avales sentents with remind the d FN//00 40040 4
Salety 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	1.3 Mcycles 9 A AC-3 <= 440 V
-	1.3 Mcycles 9 A AC-3e <= 440 V
	0.16 Mcycles 20 A AC-1 <= 690 V
	0.02 Mcycles 54 A AC-4 <= 440 V
Height	2.3 in (58 mm)
Width	1.8 in (45 mm)
Depth	2.2 in (57 mm)
Net Weight	
THE THOISILE	0.496 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
IP degree of protection	IP2X
Ambient air temperature for operation	-13122 °F (-2550 °C)
Ambient Air Temperature for Storage	-58176 °F (-5080 °C)
Operating altitude	6561.68 ft (2000 m) without derating
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102

Ordering and shipping details

Category	US10l1222321
Discount Schedule	0112
GTIN	3389110495959
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	2.559 in (6.500 cm)	
Package 1 Width	2.362 in (6.000 cm)	
Package 1 Length	1.850 in (4.700 cm)	
Package 1 Weight	8.607 oz (244.000 g)	
Unit Type of Package 2	S02	
Number of Units in Package 2	40	
Package 2 Height	5.906 in (15.000 cm)	
Package 2 Width	11.811 in (30.000 cm)	
Package 2 Length	15.748 in (40.000 cm)	
Package 2 Weight	22.505 lb(US) (10.208 kg)	
Unit Type of Package 3	P06	
Number of Units in Package 3	320	
Package 3 Height	17.717 in (45.000 cm)	
Package 3 Width	23.622 in (60.000 cm)	
Package 3 Length	31.496 in (80.000 cm)	
Package 3 Weight	198.196 lb(US) (89.900 kg)	

Contractual warranty

Warranty

18 months



Green PremiumTM **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-CO₂ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
②	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