Product data sheet

Specifications





Contactor, TeSys K, 3P, AC-3, lt or eq to 440V, 9A, 1 NO aux, 24VDC coil

LP4K09103BW3

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

Price*: 110.00 USD

Main

Range	TeSys
Product Or Component Type	Contactor
Device Short Name	LP4K
Contactor Application	Motor control Resistive load

Complementary

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 wide range
[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
Auxiliary Contact Composition	1 NO
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	16 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 110 A AC for signalling circuit conforming to IEC 60947

Disclaimer: 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

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

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 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 16 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	1.8 W 68 °F (20 °C))
Hold-In Power Consumption In W	1.8 W 68 °F (20 °C)
Heat Dissipation	1.8 W
Control Circuit Voltage Limits	Operational: 0.71.3 Uc (at <122 °F (50 °C)) Drop-out: >= 0.10 Uc (at <122 °F (50 °C))
Connections - Terminals	spring terminals 1 0.000.00 in ² (0.751.5 mm ²)solid spring terminals 1 0.000.00 in ² (0.751.5 mm ²)flexible without cable end
	spring terminals 2 0.000.00 in ² (0.751.5 mm ²)flexible without cable end
Maximum Operating Rate	3600 cyc/h
Coil Technology	Built-in bidirectional peak limiting diode suppressor
Auxiliary Contacts Type	Instantaneous 1 NO
Minimum Switching Current	5 mA for signalling circuit
Minimum Switching Voltage	17 V for signalling circuit
Mounting Support	Rail Plate
Operating Time	1020 ms coil de-energisation and NO opening 3040 ms coil energisation and NO 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	30 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	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.24 in (57 mm)

Net Weight

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	US10I1222321	
Discount Schedule	0112	
Gtin	3389110242409	
Returnability	No	
Country Of Origin	FR	

Packing Units

J	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.500 cm)
Package 1 Width	1.89 in (4.800 cm)
Package 1 Length	2.44 in (6.200 cm)
Package 1 Weight	7.87 oz (223.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	40
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	20.62 lb(US) (9.351 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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	
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