

Product data sheet

Specifications



Contactor, TeSys K, 3P, AC-3, 1t or eq to 440V, 12A, 1 NO aux, 48VDC coil

LP4K1210EW3

Product availability: Stock - Normally stocked in distribution facility

Price*: 126.00 USD

Main

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

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
[Ie] Rated Operational Current	12 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 12 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	48 V DC
Motor Power Kw	3 kW 220...230 V AC 50/60 Hz AC-3 5.5 kW 380...415 V AC 50/60 Hz AC-3 5.5 kW 440 V AC 50/60 Hz AC-3 4 kW 690 V AC 50/60 Hz AC-3 3 kW 220...230 V AC 50/60 Hz AC-3e 5.5 kW 380...415 V AC 50/60 Hz AC-3e 5.5 kW 440 V AC 50/60 Hz AC-3e 4 kW 690 V AC 50/60 Hz AC-3e 3 kW 220...230 V AC 50/60 Hz AC-4 5.5 kW 380...415 V AC 50/60 Hz AC-4 5.5 kW 440 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	20 A (at 140 °F (60 °C)) for power circuit 10 A (at 122 °F (50 °C)) for signalling circuit
Irms Rated Making Capacity	144 A AC for power circuit conforming to IEC 60947 110 A AC for signalling circuit conforming to IEC 60947
Rated Breaking Capacity	110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947

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

[Icw] Rated Short-Time Withstand Current	115 A 122 °F (50 °C) - 1 s for power circuit 105 A 122 °F (50 °C) - 5 s for power circuit 100 A 122 °F (50 °C) - 10 s for power circuit 75 A 122 °F (50 °C) - 30 s for power circuit 55 A 122 °F (50 °C) - 1 min for power circuit 50 A 122 °F (50 °C) - 3 min for power circuit 25 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 - lth 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	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: 0.7...1.3 Uc (at <122 °F (50 °C)) Drop-out: >= 0.10 Uc (at <122 °F (50 °C))
Connections - Terminals	screw clamp terminals 1 0.00...0.01 in ² (1.5...4 mm ²)solid screw clamp terminals 1 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end screw clamp terminals 1 0.00...0.00 in ² (0.34...2.5 mm ²)flexible with cable end screw clamp terminals 2 0.00...0.01 in ² (1.5...4 mm ²)solid screw clamp terminals 2 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end screw clamp terminals 2 0.00...0.00 in ² (0.34...1.5 mm ²)flexible with cable end Power circuit screw clamp terminals 2 0.00 in ² (1.5 mm ²)flexible with 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	Plate Rail
Tightening Torque	7.08...11.51 lbf.in (0.8...1.3 N.m) screw clamp terminals Philips No 2 7.08...11.51 lbf.in (0.8...1.3 N.m) screw clamp terminals flat Ø 6 mm 7.08...11.51 lbf.in (0.8...1.3 N.m) screw clamp terminals pozidriv No 2
Operating Time	10...20 ms coil de-energisation and NO opening 30...40 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 12 A AC-3 <= 440 V 1.3 Mcycles 12 A AC-3e <= 440 V 0.3 Mcycles 20 A AC-1 <= 690 V 0.02 Mcycles 72 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	0.52 lb(US) (0.235 kg)
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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
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Product Certifications	CB Scheme CCC UL CSA EAC CE UKCA
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Ip Degree Of Protection	IP2X
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Ambient Air Temperature For Operation	-13...122 °F (-25...50 °C)
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Ambient Air Temperature For Storage	-58...176 °F (-50...80 °C)
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Operating Altitude	6561.68 ft (2000 m) without derating
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Flame Retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
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Ordering and shipping details

Category	22321-CTR,K-LINE,DC,OPEN,NONREV
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Discount Schedule	I12
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Gtin	3389110857023
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Returnability	No
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Country Of Origin	FR
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Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	1.89 in (4.8 cm)
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Package 1 Width	2.44 in (6.2 cm)
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Package 1 Length	2.60 in (6.6 cm)
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Package 1 Weight	8.29 oz (235.0 g)
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Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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