

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

LP4K0910BW3

Product availability: Stock - Normally stocked in distribution facility

Main

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Range	TeSys
Product or Component Type	Contactor
Device short name	LP4K
Contactor application	Resistive load Motor control

Complementary

Complementary		
Utilisation category	AC-3 AC-3e	
	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	
[10] rated operational current	9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit	
	20 A (at <140 °F (60 °C)) at <= 690 V AC AC-1 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 8 kV		
voltage		
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	
Irms rated making capacity	110 A AC for power circuit conforming to IEC 60947	
U , ,	110 A AC for signalling circuit conforming to IEC 60947	
Rated breaking capacity	110 A at 220230 V conforming to IEC 60947	
Trace at carring capacity	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	
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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[lcw] 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 IEC 00947	
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	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	screw clamp terminals 1 0.0020.006 in² (1.54 mm²)solid screw clamp terminals 1 0.0010.006 in² (0.754 mm²)flexible without cable end screw clamp terminals 1 0.00050.004 in² (0.342.5 mm²)flexible with cable end screw clamp terminals 2 0.0020.006 in² (1.54 mm²)solid screw clamp terminals 2 0.0010.006 in² (0.754 mm²)flexible without cable end screw clamp terminals 2 0.00050.002 in² (0.341.5 mm²)flexible with cable end Power circuit screw clamp terminals 2 0.002 in² (1.5 mm²)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	7.0811.5 lbf.in (0.81.3 N.m) screw clamp terminals Philips No 2 7.0811.5 lbf.in (0.81.3 N.m) screw clamp terminals flat Ø 6 mm 7.0811.5 lbf.in (0.81.3 N.m) screw clamp terminals pozidriv No 2	
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	2.3 in (58 mm)	
Width	1.8 in (45 mm)	
Depth	2.2 in (57 mm)	

Net Weight	0.518 lb(US) (0.235 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	
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	3389110428582	
Returnability	Yes	
Country of origin	ID	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	2.44 in (6.200 cm)	
Package 1 Width	1.89 in (4.800 cm)	
Package 1 Length	2.60 in (6.600 cm)	
Package 1 Weight	7.831 oz (222.000 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	20.371 lb(US) (9.240 kg)	
Unit Type of Package 3	P06	
Number of Units in Package 3	320	
Package 3 Height	17.72 in (45.000 cm)	

Package 3 Width	23.62 in (60.000 cm)	
Package 3 Length	31.50 in (80.000 cm)	
Package 3 Weight	181.970 lb(US) (82.540 kg)	

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	73
Environmental Disclosure	Product Environmental Profile

Use Better

⊗ Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration
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

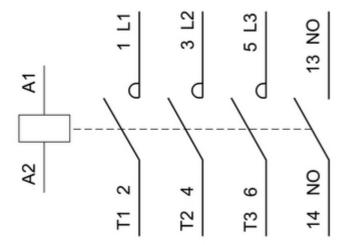
Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Technical Illustration

Wiring diagram

3P NO



Offer Marketing Illustration

Product benefits / Features

TeSys K

Contactors



Flexibility

Designed with control voltages, low consumption, minimal noise levels, robust power connections, and a range of auxiliaries, and application-specific variants to meet diverse needs.



Safety

It provide ultimate protection with IP20 fingersafe terminals, built-in NO/NC auxiliary contacts, and IEC-certified mirror and mechanically linked contacts for safety applications.



Compact size

Up to 50% less volume is captured in your panels. One of he smallest contactors offerings in the market

Offer Marketing Illustration

Product benefits / Features

TeSys K

Technical Benefits

Built-in in all 3 pole versions: 1NO or 1NC

Up to 4 more by add-on blocks

Up to 16 A for motor control (AC3/ AC3E) and 20A for resistive load control (AC1)

Available as single contactors, star-delta, and reversing combos, with a wealth of options and accessories

Control Options:

- · AC: 24 to 660/690 V, standard or low-noise
- · DC: 12 to 250V, standard or low consumption (1.8 W) versions

Thermal protection relays

It Features specific versions for railway (TeSys S207) and electrodomestic (TeSys S335) applications



Technical Illustration

Assembly's dimensions

