Product data sheet

Specifications

Contactor, TeSys K, 4P, 4 NO, AC-1, lt or eq to 440V, 20A, 24VDC coil

LP4K12004BW3

Product availability: Non-Stock - Not 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

Complementary

Utilisation Category	AC-1
Poles Description	4P
Power Pole Contact Composition	4 NO
[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 wide range
[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	144 A AC for power 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
[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
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
[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	1.8 W 68 °F (20 °C))

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

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

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 in² (1.5…4 mm²)solid screw clamp terminals 1 0.00…0.01 in² (0.75…4 mm²)flexible without cable end screw clamp terminals 1 0.00…0.00 in² (0.34…2.5 mm²)flexible with cable end screw clamp terminals 2 0.00…0.01 in² (1.5…4 mm²)solid screw clamp terminals 2 0.00…0.01 in² (0.75…4 mm²)flexible without cable end screw clamp terminals 2 0.00…0.00 in² (0.34…1.5 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
Coil Technology	Built-in bidirectional peak limiting diode suppressor
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	30...40 ms coil energisation and NO closing 10 ms coil de-energisation and NO opening
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	0.3 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	0.52 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 UKCA
Ip Degree Of Protection	IP2X
Ambient Air Temperature For Operation	-13…122 °F (-25…50 °C)
Ambient Air Temperature For Storage	-58…176 °F (-50…80 °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	0I12
Gtin	3389110791136
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.64 in (6.700 cm)
Package 1 Width	2.44 in (6.200 cm)
Package 1 Length	1.89 in (4.800 cm)
Package 1 Weight	7.76 oz (220.000 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	20.49 lb(US) (9.293 kg)

Contractual warranty

Warranty	18 months

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-CO_2 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