Product data sheet

Specification





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

LP5K0901BW3

Product availability: Stock - Normally stocked in distribution facility

Price*: 238.00 USD

Main

Range	TeSys
Product Name	TeSys K
Product Or Component Type	Reversing contactor
Device Short Name	LP5K
Device Application	Control
Contactor Application	Motor control Resistive load
Utilisation Category	AC-3 AC-1 AC-4 AC-3e
Device Presentation	Preassembled with reversing power busbar
Poles Description	3P
Power Pole Contact Composition	3 NO
[Ue] Rated Operational Voltage	Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz
[le] Rated Operational Current	20 A (at <122 °F (50 °C)) at <= 440 V AC AC-1 for power circuit 16 A (at <158 °F (70 °C)) at 690 V AC AC-1 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 9 A at <= 440 V AC AC-3e for power circuit
Motor Power Kw	2.2 kW 220230 V AC 50/60 Hz 4 kW 380415 V AC 50/60 Hz 4 kW 440 V AC 50/60 Hz 4 kW 480 V AC 50/60 Hz 4 kW 500600 V AC 50/60 Hz 4 kW 660690 V AC 50/60 Hz
Control Circuit Type	DC low consumption
[Uc] Control Circuit Voltage	24 V DC
Auxiliary Contact Composition	1 NC
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	20 A (at 122 °F (50 °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 NF C 63-110 110 A AC for power circuit conforming to IEC 60947 110 A AC for signalling circuit 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.

Rated Breaking Capacity	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
	110 A at 220230 V conforming to IEC 60947
	110 A at 380400 V conforming to IEC 60947
	70 A at 660690 V conforming to IEC 60947
[Icw] Rated Short-Time Withstand	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 80 A - 1 s for signalling circuit
	90 A - 500 ms for signalling circuit
	110 A - 100 ms for signalling circuit
	20 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
	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
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
Interlocking Type	Mechanical
Mounting Support	Rail Plate
Standards	EN/IEC 60947-4-1
	GB/T 14048.4
	UL 60947-4-1
	CSA C22.2 No 60947-4-1
	JIS C8201-4-1
Product Certifications	CB Scheme
	CCC
	UL
	CSA
	EAC CE
	UKCA
Connections - Terminals	screw clamp terminals 1 0.000.01 in² (1.54 mm²)solid
	screw clamp terminals 1 0.000.01 in² (0.754 mm²)flexible without cable end
	screw clamp terminals 1 0.000.00 in² (0.342.5 mm²)flexible with cable end screw clamp terminals 2 0.000.01 in² (1.54 mm²)solid
	screw clamp terminals 2 0.000.01 in (1.54 mm²)solid screw clamp terminals 2 0.000.01 in² (0.754 mm²)flexible without cable end
	screw clamp terminals 2 0.000.00 in² (0.341.5 mm²)flexible with cable end
Tightening Torque	7.0811.51 lbf.in (0.81.3 N.m) screw clamp terminals Philips No 2
S	7.0811.51 lbf.in (0.81.3 N.m) screw clamp terminals 11iiips No 2
	7.0811.51 lbf.in (0.81.3 N.m) screw clamp terminals pozidriv No 2
Operating Time	1020 ms coil de-energisation and NO opening
- p	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	5 Mcycles
Maximum Operating Rate	3600 cyc/h
	مروم والمراجع المراجع

Complementary

Coil Technology	Built-in bidirectional peak limiting diode suppressor
Control Circuit Voltage Limits	Operational: 0.71.30 Uc (at <122 °F (50 °C)) Drop-out: 0.10.7 Uc (at <122 °F (50 °C))
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
Auxiliary Contacts Type	Instantaneous 1 NC
Minimum Switching Current	5 mA for signalling circuit
Minimum Switching Voltage	17 V for signalling circuit
Non Overlap Distance	0.02 in (0.5 mm)
Insulation Resistance	> 10 MOhm for signalling circuit

Environment

Ip Degree Of Protection	IP20 VDE 0106
Protective Treatment	TC IEC 60068 TC DIN 50016
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
Mechanical Robustness	Shocks contactor closed, on Z axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed4 Gn, 5300 Hz IEC 60068-2-6 Vibrations contactor opened2 Gn, 5300 Hz IEC 60068-2-6 Shocks contactor opened, on X axis10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis6 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on X axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis10 Gn for 11 ms IEC 60068-2-27
Height	2.28 in (58 mm)
Width	3.54 in (90 mm)
Depth	2.24 in (57 mm)
Net Weight	1.08 lb(US) (0.49 kg)

Ordering and shipping details

Category	US10I1222322
Discount Schedule	0112
Gtin	3389110501650
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.500 cm)

Package 1 Width	3.62 in (9.200 cm)
Package 1 Length	2.36 in (6.000 cm)
Package 1 Weight	15.87 oz (450.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	20
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	20.58 lb(US) (9.334 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	160
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	184.79 lb(US) (83.820 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

②	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