Product data sheet

Specification





Contactor, TeSys K, 4P, 4 NO, AC-1, It or eq to 440V 10A, 230VAC coil

LC1K12004P7

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

Price*: 86.00 USD

Main

Range	TeSys
Product Or Component Type	Contactor
Device Application	Control
Contactor Application	Resistive load

Complementary

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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
[le] Rated Operational Current	20 A (at <140 °F (60 °C)) at <= 690 V AC AC-1 for power circuit
Control Circuit Type	AC 50/60 Hz
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
[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 660690 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
Inrush Power In Va	30 VA (at 68 °F (20 °C))
Hold-In Power Consumption In Va	4.5 VA (at 68 °F (20 °C))
Heat Dissipation	1.3 W

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

Control Circuit Voltage Limits	Operational: 0.81.15 Uc (at <122 °F (50 °C)) Drop-out: >= 0.20 Uc (at <122 °F (50 °C))
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 in² (0.754 mm²)flexible without cable end screw clamp terminals 2 0.000.00 in² (0.341.5 mm²)flexible with cable end
Maximum Operating Rate	3600 cyc/h
Signalling Circuit Frequency	<= 400 Hz
Operating Time	1020 ms coil de-energisation and NO opening 1020 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	10 Mcycles
Electrical Durability	0.3 Mcycles 20 A AC-1 <= 690 V
Mechanical Robustness	Shocks contactor closed, on X axis10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis10 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
Height	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.24 in (57 mm)

Environment

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
Protective Treatment	TC IEC 60068 TC DIN 50016
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	US10l1222326
Discount Schedule	0112
Gtin	3389110126761
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 (6.5 cm)
Package 1 Width	2.44 in (6.2 cm)
Package 1 Length	1.85 in (4.7 cm)
Package 1 Weight	6.31 oz (179 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	20.47 lb(US) (9.287 kg)

Contractual warranty

Warranty 18 months

Sustainability Green 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	
9	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

REACh Declaration
Compliant
EU RoHS Declaration
China RoHS declaration
Pro-active China RoHS declaration (out of China RoHS legal scope)
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
End of Life Information
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