Product data sheet

Specifications

Contactor, TeSys K, 4P, 2 NO + 2 NC, AC-1, lt or eq to 440V, 20A, 72VDC coil

LP4K090087SW3

Discontinued

Main

Range Of Product	TeSys K
Range	TeSys
Product Or Component Type	Contactor
Device Short Name	LP4K
Utilisation Category	AC-1
Coil Technology	Built-in bidirectional peak limiting diode suppressor
Poles Description	4P
Pole Contact Composition	2 NO + 2 NC
[Ie] 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

Complementary

Contactor Application	Resistive load
Control Circuit Voltage Limits	Operational: 0.7...1.30 Uc (at <122 °F (50 °C)) Drop-out: 0.1...0.7 Uc (at <122 °F (50 °C))
[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
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
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
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

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

[Ue] Rated Operational Voltage	Power circuit 690 V AC 50/60 Hz
[Ith] Conventional Free Air Thermal Current	20 A (at 122 °F (50 °C)) for power 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
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 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947
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
Operating Time	10...20 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing 25...35 ms coil energisation and NC opening 15...25 ms coil de-energisation and NC 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
Maximum Operating Rate	3600 cyc/h
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)
Compatibility Code	LP4K

Environment

Inrush Power In W	1.8 W 68 °F (20 °C))
Hold-In Power Consumption In W	1.8 W 68 °F (20 °C)
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	22321-CTR,K-LINE,DC,OPEN,NONREV
Discount Schedule	I12
Gtin	3389110499773
Returnability	No

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty	18 months