



❗ Discontinued

LP1K090047BD3 has not been replaced. Please contact your customer care center for more information.

Main

Range of product	TeSys K
Range	TeSys
Product or component type	Contactor
Device short name	LP1K
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ie] rated operational current	20 A 122 °F (50 °C) ≤ 440 V AC AC-1 power circuit 16 A 158 °F (70 °C) 690 V AC AC-1 power circuit

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	Operational 0.8...1.15 U _c 122 °F (50 °C)) Drop-out 0.1...0.75 U _c 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	Plate Rail
Flame retardance	V1 UL 94 Requirement 2 NF F 16-101 Requirement 2 NF F 16-102
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz
[Ith] conventional free air thermal current	20 A 122 °F (50 °C) power circuit
Irms rated making capacity	110 A AC power circuit NF C 63-110 110 A AC power circuit IEC 60947
Rated breaking capacity	110 A 415 V IEC 60947 110 A 440 V IEC 60947 80 A 500 V IEC 60947 110 A 220...230 V IEC 60947 110 A 380...400 V IEC 60947

70 A 660...690 V IEC 60947

Associated fuse rating	25 A gG <= 440 V power circuit 25 A aM power circuit
Average impedance	3 mOhm - lth 20 A 50 Hz power circuit
Inrush power in W	3 W 68 °F (20 °C))
Hold-in power consumption in W	3 W 68 °F (20 °C)
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	10 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	0.50 lb(US) (0.225 kg)

Environment

Product certifications	UL CSA
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

Ordering and shipping details

Category	22321-CTR,K-LINE,DC,OPEN,NONREV
Discount Schedule	I12
GTIN	03389110495690
Returnability	No

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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