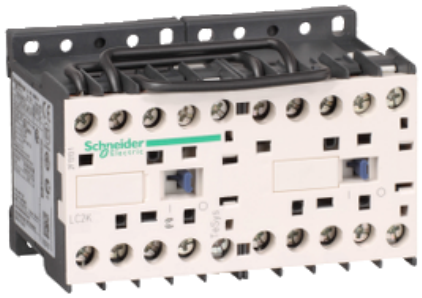
Product data sheet
Characteristics

LC2K1210B7
TeSys K reversing contactor - 3P - AC-3 <= 440 V 12 A - 1 NO - 24 V AC coil

Product availability : Stock - Normally stocked in distribution facility

Price* : 191.00 USD



Main

Range	TeSys
Product name	TeSys K
Product or component type	Reversing contactor
Device short name	LC2K
Device application	Control
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4
Device presentation	Preassembled with reversing power busbar
Poles description	3P
Power pole contact composition	3 NO
System Voltage	690 V AC 50/60 Hz power circuit <= 690 V AC 50/60 Hz signalling circuit
[Ie] rated operational current	20 A (<= 122 °F (50 °C)) at <= 440 V AC AC-1 power circuit 16 A (<= 158 °F (70 °C)) at 690 V AC AC-1 power circuit 12 A at <= 440 V AC AC-3 power circuit
Motor power kW	3 kW at 220...230 V AC 50/60 Hz 4 kW at 480 V AC 50/60 Hz 4 kW at 500...600 V AC 50/60 Hz 4 kW at 660...690 V AC 50/60 Hz 5.5 kW at 380...415 V AC 50/60 Hz 5.5 kW at 440 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	24 V AC 50/60 Hz
Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III

[Ith] conventional free air thermal current	20 A at <= 122 °F (50 °C) power circuit 10 A at <= 122 °F (50 °C) signalling circuit
Irms rated making capacity	144 A at 690 V AC power circuit conforming to IEC 60947 144 A at 690 V AC power circuit conforming to NF C 63-110 110 A AC signalling 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	25 A <= 122 °F (50 °C) >= 15 min power circuit 80 A 1 s signalling circuit 90 A 500 ms signalling circuit 110 A 100 ms signalling circuit 115 A <= 122 °F (50 °C) 1 s power circuit 105 A <= 122 °F (50 °C) 5 s power circuit 100 A <= 122 °F (50 °C) 10 s power circuit 75 A <= 122 °F (50 °C) 30 s power circuit 55 A <= 122 °F (50 °C) 1 min power circuit 50 A <= 122 °F (50 °C) 3 min power circuit
Associated fuse rating	25 A gG at <= 440 V power circuit 25 A aM power circuit 10 A gG signalling circuit conforming to IEC 60947 10 A gG signalling circuit conforming to VDE 0660
Average impedance	3 mOhm at 50 Hz - Ith 20 A power circuit
[Ui] rated insulation voltage	690 V signalling circuit conforming to IEC 60947-4-1 690 V signalling circuit conforming to IEC 60947-5-1 600 V signalling circuit conforming to UL 508 600 V power circuit conforming to CSA C22.2 No 14 600 V signalling circuit conforming to CSA C22.2 No 14 690 V power circuit conforming to IEC 60947-4-1 600 V power circuit conforming to UL 508
Electrical durability	0.3 Mcycles 20 A AC-1 at Ue <= 440 V 1.3 Mcycles 12 A AC-3 at Ue <= 440 V
Interlocking type	Mechanical
Mounting support	Plate Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CSA UL
Connections - terminals	Screw clamp terminals 1 cable(s) 0...0.01 in² (1.5...4 mm²) - cable stiffness: solid Screw clamp terminals 1 cable(s) 0...0.01 in² (0.75...4 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0 in² (0.34...2.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in² (1.5...4 mm²) - cable stiffness: solid Screw clamp terminals 2 cable(s) 0...0.01 in² (0.75...4 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0...0 in² (0.34...1.5 mm²) - cable stiffness: flexible - with cable end
Tightening torque	11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver Philips No 2 11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm
Operating time	10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	5 Mcycles
Operating rate	3600 cyc/h

Complementary

Control circuit voltage limits	0.2...0.75 Uc at <= 122 °F (50 °C) drop-out 0.8...1.15 Uc at <= 122 °F (50 °C) operational
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
Auxiliary contacts type	Type instantaneous 1 NO

Signalling circuit frequency	<= 400 Hz
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Non overlap distance	0.02 in (0.5 mm)
Insulation resistance	> 10 MOhm signalling circuit

Environment

IP degree of protection	IP20 conforming to VDE 0106
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
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
Mechanical robustness	Shocks contactor closed, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis 10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened 2 Gn, 5...300 Hz IEC 60068-2-6
Height	2.28 in (58 mm)
Width	3.54 in (90 mm)
Depth	2.24 in (57 mm)
Product weight	0.86 lb(US) (0.39 kg)

Ordering and shipping details

Category	22327 - CTR,K-LINE,AC,OPEN,REV
Discount Schedule	I12
GTIN	00785901789895
Nbr. of units in pkg.	1
Package weight(Lbs)	0.80000000000000004
Returnability	Y
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0706 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months