



Main

Range of product	TeSys K
Range	TeSys
Product or component type	Contactor
Product name	TeSys K
Device short name	LC1K
Device application	Control
Contactor application	Motor control Resistive load

Complementary

Utilisation category	AC-4 AC-1 AC-3
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	20 A (\leq 122 °F (50 °C)) at \leq 440 V AC AC-1 power circuit 16 A (\leq 158 °F (70 °C)) at 690 V AC AC-1 power circuit 12 A at \leq 440 V AC AC-3 power circuit
Control circuit type	AC 50/60 Hz
Control circuit voltage	120 V AC 50/60 Hz
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
Auxiliary contact composition	1 NC
Overvoltage category	III
[Ith] conventional free air thermal current	20 A at \leq 122 °F (50 °C) power circuit 10 A at \leq 122 °F (50 °C) signalling circuit

Irms rated making capacity	110 A AC signalling circuit conforming to IEC 60947 144 A AC power circuit conforming to NF C 63-110 144 A AC 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 660...690 V conforming to IEC 60947
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 - lth 20 A power circuit
Insulation resistance	> 10 MOhm signalling 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
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
Operating rate	3600 cyc/h
Auxiliary contacts type	Type instantaneous (1 NC)
Signalling circuit frequency	<= 400 Hz
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
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
Non overlap distance	0.02 in (0.5 mm)
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

Environment

Product certifications	UL CSA
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
Operating altitude	6561.68 ft (2000 m) without derating in temperature
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	22326 - CTR,K-LINE,AC,OPEN,NONREV
Discount Schedule	I12
Nbr. of units in pkg.	1
Package weight(Lbs)	0.40000000000000002
Returnability	N
Country of origin	FR

Contractual warranty

Warranty period	18 months
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Product Life Status

END OF COMMERCIALIZATION