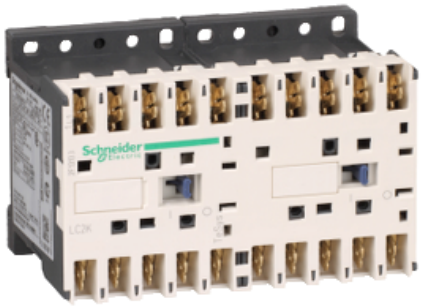
Product data sheet
Characteristics

LC2K09017M7
TeSys K reversing contactor - 3P - AC-3 <= 440 V 9 A - 1 NC - 220...230 VAC coil



Discontinued

LC2K09017M7 has not been replaced. Please contact your customer care center for more information.

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-3 AC-1 AC-4
Device presentation	Preassembled with reversing power busbar
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz Signalling circuit <= 690 V AC 50/60 Hz
[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 9 A<= 440 V AC AC-3 power circuit
Motor power kW	2.2 kW 220...230 V AC 50/60 Hz 4 kW 380...415 V AC 50/60 Hz 4 kW 440 V AC 50/60 Hz 4 kW 480 V AC 50/60 Hz 4 kW 500...600 V AC 50/60 Hz 4 kW 660...690 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	220...230 V AC 50/60 Hz
Auxiliary contact composition	1 NC
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	20 A 122 °F (50 °C) power circuit 10 A 122 °F (50 °C) signalling circuit
Irms rated making capacity	110 A AC power circuit NF C 63-110 110 A AC power circuit IEC 60947 110 A AC signalling 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
[Icw] rated short-time withstand current	90 A 122 °F (50 °C) - 1 s power circuit 85 A 122 °F (50 °C) - 5 s power circuit 80 A 122 °F (50 °C) - 10 s power circuit 60 A 122 °F (50 °C) - 30 s power circuit 45 A 122 °F (50 °C) - 1 min power circuit 40 A 122 °F (50 °C) - 3 min power circuit 80 A - 1 s signalling circuit 90 A - 500 ms signalling circuit 110 A - 100 ms signalling circuit 20 A 122 °F (50 °C) - >= 15 min power circuit
Associated fuse rating	25 A gG <= 440 V power circuit 25 A aM power circuit 10 A gG signalling circuit IEC 60947 10 A gG signalling circuit VDE 0660
Average impedance	3 mOhm - Ith 20 A 50 Hz power circuit
[Ui] rated insulation voltage	Power circuit 600 V UL 508 Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-5-1 Signalling circuit 600 V UL 508 Power circuit 600 V CSA C22.2 No 14 Signalling circuit 600 V CSA C22.2 No 14
Electrical durability	0.18 Mcycles 20 A AC-1 <= 440 V 1.3 Mcycles 9 A AC-3 <= 440 V
Interlocking type	Mechanical
Mounting support	Rail Plate
Standards	VDE 0660 IEC 60947 NF C 63-110 BS 5424
Product certifications	UL CSA
Connections - terminals	Faston terminals 2 2.8 mm Faston terminals 1 6.35 mm
Operating time	10...20 ms coil energisation and NO closing 10...20 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	5 Mcycles
Maximum operating rate	3600 cyc/h

Complementary

Control circuit voltage limits	Operational 0.8...1.15 Uc 122 °F (50 °C)) Drop-out 0.2...0.75 Uc 122 °F (50 °C))
Inrush power in VA	30 VA 68 °F (20 °C))
Hold-in power consumption in VA	4.5 VA 68 °F (20 °C))
Heat dissipation	1.3 W
Auxiliary contacts type	Instantaneous 1 NC
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 VDE 0106
Protective treatment	TC IEC 60068

	TC 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
Flame retardance	V1 UL 94 Requirement 2 NF F 16-101 Requirement 2 NF F 16-102
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, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened2 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)
Net weight	0.86 lb(US) (0.39 kg)

Ordering and shipping details

Category	22327-CTR,K-LINE,AC,OPEN,REV
Discount Schedule	I12
GTIN	03389110492231
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