

# LC1K09017B7

TeSys K contactor - 3P(3 NO) - AC-3 -  $\leq 440$  V 9 A  
- 24 V AC coil



## Main

Range	TeSys
Product name	TeSys K
Device short name	LC1K
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4
Poles description	3P
Pole contact composition	3 NO
Control circuit type	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 at $\leq 50$ °C for power circuit 10 A at $\leq 50$ °C for signalling circuit
[Icw] rated short-time withstand current	45 A $\leq 50$ °C 1 min power circuit 40 A $\leq 50$ °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 $\leq 50$ °C $\geq 15$ s power circuit
Electrical durability	0.18 Mcycles 20 A AC-1 at $U_e \leq 440$ V 1.3 Mcycles 9 A AC-3 at $U_e \leq 440$ V
Mounting support	Plate Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CSA UL
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	10 Mcycles

## Complementary

Auxiliary contacts type	Type instantaneous (1 NC)
Signalling circuit frequency	$\leq 400$ Hz
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Non overlap distance	0.5 mm
Insulation resistance	$> 10$ MOhm for signalling circuit

## Environment

Ambient air temperature for storage	-50...80 °C
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101

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
Depth	57 mm
Product weight	0.18 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0711 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations