

## LC1K12004M72

TeSys K contactor - 4P(4 NO) - AC-1 - <= 440 V 20 A - 220...230 V AC coil



### Main

Range	TeSys
Product name	TeSys K
Contacteur application	Resistive load
Utilisation category	AC-1
Pole contact composition	4 NO
[Ie] rated operational current	20 A (<= 50 °C) at <= 440 V AC AC-1 for power circuit 16 A (<= 70 °C) at 690 V AC AC-1 for power circuit
Control circuit type	AC 50/60 Hz
Control circuit voltage	220...230 V AC 50/60 Hz
Overtoltage category	III
[Ith] conventional free air thermal current	20 A at <= 50 °C for power circuit
Irms rated making capacity	144 A AC for power circuit conforming to NF C 63-110 144 A AC for 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 for power circuit 25 A aM for power circuit
Average impedance	3 mOhm at 50 Hz - Ith 20 A for power circuit
Product certifications	CSA UL
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
Operating rate	3600 cyc/h

### Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.2...0.75 Uc at <= 50 °C drop-out 0.8...1.15 Uc at <= 50 °C operational
Inrush power in VA	30 VA at 20 °C
Hold-in power consumption in VA	4.5 VA at 20 °C
Heat dissipation	1.3 W
Signalling circuit frequency	<= 400 Hz

### Environment

Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
Operating altitude	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
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

---

## Offer Sustainability

---

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0825 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

---