Product datasheet

Specifications

contactor TeSys LC7-K - 3 poles - AC-3 440V 6 A - coil 220 V AC

LC7K0610M7TQ

EAN Code: 3389110494204

Discontinued

Main

Range of product	TeSys K
Range	TeSys
Product or component type	Silent contactor
Device short name	LC7K
Utilisation category	AC-3 AC-4
Control circuit type	AC
Coil technology	Built-in bidirectional peak limiting diode suppressor
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	6 A (at <60 °C) at <= 440 V AC AC-3 for power circuit

Complementary

Contactor application	Motor control
Coil type	AC 50/60 Hz
Auxiliary contact composition	1 NO
Control circuit voltage limits	Drop-out: >= 0.10 Uc at 50/60 Hz (at <50 °C) Operational: 0.85...1.1 Uc at 50/60 Hz (at <50 °C)
[Ui] rated insulation voltage	Control circuit: 690 V conforming to BS 5424 Control circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to IEC 60947 Power circuit: 690 V conforming to NF C 20-040 Control circuit: 750 V conforming to VDE 0110 group C Power circuit: 750 V conforming to VDE 0110 group C Control circuit: 600 V conforming to CSA C22.2 No 14 Power circuit: 600 V UL 508 certified conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	8 kV
Mounting support	Plate Rail
Standards	NF C 63-110 IEC 60947 VDE 0660 BS 5424
Product certifications	GOST CSA UL
Ambient air temperature for operation	-25…50 °C

Ambient air temperature for storage	-50…80 °C
Operating altitude	2000 m without derating
Fire resistance	850 °C conforming to IEC 60695-2-1
[Ue] rated operational voltage	Power circuit: <= 690 V AC <= 400 Hz
[Ith] conventional free air thermal current	10 A (at 50 °C) for control circuit 20 A (at 50 °C) for power circuit
Irms rated making capacity	110 A at 690 V AC for control circuit conforming to IEC 60947 110 A at 690 V AC for power circuit conforming to IEC 60947 110 A at 690 V AC for power circuit conforming to NF C 63-110
Rated breaking capacity	110 A at 440 V for power circuit conforming to IEC 60947 110 A at 440 V for power circuit conforming to NF C 63-110 70 A at 660...690 V for power circuit conforming to IEC 60947 70 A at 660...690 V for power circuit conforming to NF C 63-110 80 A at 500 V for power circuit conforming to IEC 60947 80 A at 500 V for power circuit conforming to NF C 63-110 110 A at 220...230 V for power circuit conforming to IEC 60947 110 A at 220...230 V for power circuit conforming to NF C 63-110 110 A at 380...400 V for power circuit conforming to IEC 60947 110 A at 380...400 V for power circuit conforming to NF C 63-110 110 A at 415 V for power circuit conforming to IEC 60947 110 A at 415 V for power circuit conforming to NF C 63-110
Associated fuse rating	10 A gG for control circuit conforming to IEC 60947 10 A gG for control circuit conforming to VDE 0660 25 A gG at <= 440 V for power circuit
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit
Inrush power in VA	3 VA (at 20 °C)
Hold-in power consumption in VA	3 VA 50/60 Hz (at 20 °C)
Operating time	25...35 ms coil energisation and NC opening 30...40 ms between energisation of coil and closing of NO contact 30 ms coil de-energisation and NO opening 40 ms coil de-energisation and NC opening
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	10000000 cycles
Maximum operating rate	3600 cyc/h
Minimum switching current	5 mA for control circuit
Minimum switching voltage	17 V for control circuit
Insulation resistance	> 10 MOhm for control circuit
Height	58 mm
Width	45 mm
Depth	57 mm
Net weight	0.225 kg
Compatibility code	LC7K

Environment

Flame retardance	Class C2 conforming to NF F 16-101 Class C2 conforming to NF F 16-102 V1 conforming to UL 94

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins