

TeSys K contactor - 3P - AC-3 <= 440 V 12 A - 1 NO aux. - 110 V AC coil

Local distributor code:

402926025 LC7K1210F7

EAN Code: 3389110849547

Main		
Range	TeSys	
Product or component type	Contactor	
Device short name	LC7K	
Device application	Control	
Contactor application	Resistive load Motor control	
Complementary		
Utilisation category	AC-3 AC-3e AC-1 AC-4	
Poles description	3P	

	Signalling circuit: <= 690 V AC <= 400 Hz
[le] rated operational current	12 A (at <60 °C) at <= 440 V AC AC-3 for power circuit

power pole contact composition [Ue] rated operational voltage

Control circuit type	AC at 50/60 Hz silent
	12 A (at <60 °C) at <= 440 V AC AC-3e for power circuit 20 A (at <60 °C) at <= 690 V AC AC-1 for power circuit
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Power circuit: <= 690 V AC <= 400 Hz

[Uc] control circuit voltage	110 V AC 50/60 Hz
Motor power kW	3 kW at 220230 V AC 50/60 Hz AC-3
	5.5 kW at 380415 V AC 50/60 Hz AC-3
	5.5 kW at 440 V AC 50/60 Hz AC-3
	4 kW at 690 V AC 50/60 Hz AC-3

3 kW at 220...230 V AC 50/60 Hz AC-3e 5.5 kW at 380...415 V AC 50/60 Hz AC-3e 5.5 kW at 440 V AC 50/60 Hz AC-3e 4 kW at 690 V AC 50/60 Hz AC-3e 3 kW at 220...230 V AC 50/60 Hz AC-4 5.5 kW at 380...415 V AC 50/60 Hz AC-4 5.5 kW at 440 V AC 50/60 Hz AC-4

4 kW at 690 V AC 50/60 Hz AC-4

Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	20 A (at 60 °C) for power circuit 10 A (at 50 °C) for signalling circuit

Irms rated making capacity 144 A AC for power circuit conforming to IEC 60947 110 A AC for signalling 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 660690 V conforming to IEC 60947	
[lcw] rated short-time withstand	115 A 50 °C - 1 s for power circuit	
current	105 A 50 °C - 5 s for power circuit	
	100 A 50 °C - 10 s for power circuit	
	75 A 50 °C - 30 s for power circuit 55 A 50 °C - 1 min for power circuit	
	50 A 50 °C - 3 min for power circuit	
	25 A 50 °C - >= 15 min for power circuit	
	80 A - 1 s for signalling circuit	
	90 A - 500 ms for signalling circuit	
	110 A - 100 ms for signalling circuit	
Associated fuse rating	25 A gG at <= 440 V for power circuit	
	25 A aM for power circuit	
	10 A gG for signalling circuit conforming to IEC 60947	
	10 A gG for signalling circuit conforming to VDE 0660	
Average impedance	3 mOhm - Ith 20 A 50 Hz for power circuit	
Ui] rated insulation voltage	Power circuit: 600 V conforming to UL 508	
	Power circuit: 690 V conforming to IEC 60947-4-1	
	Signalling circuit: 690 V conforming to IEC 60947-4-1	
	Signalling circuit: 690 V conforming to IEC 60947-5-1	
	Signalling circuit: 600 V conforming to UL 508	
	Power circuit: 600 V conforming to CSA C22.2 No 14 Signalling circuit: 600 V conforming to CSA C22.2 No 14	
Insulation resistance	> 10 MOhm for signalling circuit	
Inrush power in VA	3 VA (at 20 °C)	
Hold-in power consumption in VA	3 VA (at 20 °C)	
Heat dissipation	3 W	
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Control circuit voltage limits	Operational: 0.851.1 Uc (at <50 °C) Drop-out: >= 0.10 Uc (at <50 °C)	
Connections - terminals	Screw clamp terminals 1 cable(s) 1.54 mm²solid	
	Screw clamp terminals 1 cable(s) 0.754 mm²flexible without cable end	
	Screw clamp terminals 1 cable(s) 0.342.5 mm²flexible with cable end	
	Screw clamp terminals 2 cable(s) 1.54 mm²solid	
	Screw clamp terminals 2 cable(s) 0.754 mm²flexible without cable end	
	Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end	
Maximum operating rate	3600 cyc/h	
Auxiliary contacts type	type instantaneous 1 NO	
Signalling circuit frequency	<= 400 Hz	
Minimum switching current	5 mA for signalling circuit	
Minimum switching voltage	17 V for signalling circuit	
Mounting support	Plate	
	Rail	
Tightening torque	0.81.3 N.m - on screw clamp terminals Philips No 2	
	0.81.3 N.m - on screw clamp terminals flat Ø 6 mm	
	0.81.3 N.m - on screw clamp terminals pozidriv No 2	
Operating time	3040 ms coil energisation and NO closing	
	30 ms coil de-energisation and NO opening	
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1	
, ,	B10d = 200000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1	
Non overlap distance	0.5 mm	
Mechanical durability	10 Mcycles	
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Electrical durability	1.3 Mcycles 12 A AC-3 at Ue <= 440 V 1.3 Mcycles 12 A AC-3e at Ue <= 440 V	
	0.3 Mcycles 20 A AC-1 at Ue <= 690 V	
	0.02 Mcycles 72 A AC-4 at Ue <= 440 V	
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Mechanical robustness	Shocks contactor closed, on X axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Y axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Z axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on X axis: 6 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Y axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Z axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations contactor closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6 Vibrations contactor opened: 2 Gn, 5300 Hz conforming to IEC 60068-2-6
	58 mm
Width	45 mm
Depth	57 mm
Net weight	0.225 kg

Environment

Standards	EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1	
Product certifications	CB Scheme CCC UL CSA EAC CE UKCA	
IP degree of protection	IP2X conforming to VDE 0106	
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016	
Ambient air temperature for storage	-5080 °C	
Operating altitude	2000 m without derating	
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102	

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.5 cm
Package 1 Width	4.9 cm
Package 1 Length	6.2 cm
Package 1 Weight	219.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.215 kg
Unit Type of Package 3	P06
Number of Units in Package 3	640
Package 3 Height	77.0 cm

Package 3 Width	80.0 cm	
Package 3 Length	60.0 cm	
Package 3 Weight	150.79 kg	

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months

1 Jul 2025



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 >

∇ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	121
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	B7d10624-820b-42cb-a985-485c51dc0f85
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Offer Marketing Illustration

Product benefits / Features

TeSys K

Contactors



Flexibility

Designed with control voltages, low consumption, minimal noise levels, robust power connections, and a range of auxiliaries, and application-specific variants to meet diverse needs.



Safety

It provide ultimate protection with IP20 fingersafe terminals, built-in NO/NC auxiliary contacts, and IEC-certified mirror and mechanically linked contacts for safety applications.



Compact size

Up to 50% less volume is captured in your panels. One of he smallest contactors offerings in the market

Offer Marketing Illustration

Product benefits / Features

TeSys K

Technical Benefits



Up to 4 more by add-on blocks

Up to 16 A for motor control (AC3/ AC3E) and 20A for resistive load control (AC1)

Available as single contactors, star-delta, and reversing combos, with a wealth of options and accessories

Control Options:

- AC: 24 to 660/690 V, standard or low-noise versions
- DC: 12 to 250V, standard or low consumption (1.8 W) versions
- Thermal protection relays

It Features specific versions for railway (TeSys \$207) and electrodomestic (TeSys \$335) applications



Technical Illustration

Assembly's dimensions

