

TeSys K contactor - 3P - AC-3 <= 440 V 9 A - 1 NC aux. - 24 V DC coil

Local distributor code:

22488642 LP4K0901BW3

EAN Code: 3389110428575

Main

Range	TeSys
Product or component type	Contactor
Device short name	LP4K
Contactor application	Motor control Resistive load

Complementary

Complementary		
Utilisation category	AC-3 AC-3e AC-1 AC-4	
Poles description	3P	
power pole contact composition	3 NO	
[Ue] rated operational voltage	Power circuit: <= 690 V AC <= 400 Hz Signalling circuit: <= 690 V AC <= 400 Hz	
[le] rated operational current	9 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 9 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	
Control circuit type	DC wide range	
[Uc] control circuit voltage	24 V DC	
Motor power kW	2.2 kW at 220230 V AC 50/60 Hz AC-3 4 kW at 380415 V AC 50/60 Hz AC-3 4 kW at 440/690 V AC 50/60 Hz AC-3 2.2 kW at 220230 V AC 50/60 Hz AC-3e 4 kW at 380415 V AC 50/60 Hz AC-3e 4 kW at 440/690 V AC 50/60 Hz AC-3e 2.2 kW at 220230 V AC 50/60 Hz AC-3e 4 kW at 380415 V AC 50/60 Hz AC-4 4 kW at 380415 V AC 50/60 Hz AC-4 4 kW at 440/690 V AC 50/60 Hz AC-4	
Auxiliary contact composition	1 NC	
[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	110 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 220230 V conforming to IEC 60947 110 A at 380400 V conforming to IEC 60947 110 A at 415 V conforming to IEC 60947 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 current	90 A 50 °C - 1 s for power circuit	
current	85 A 50 °C - 5 s for power circuit	
	80 A 50 °C - 10 s for power circuit	
	60 A 50 °C - 30 s for power circuit	
	45 A 50 °C - 1 min for power circuit 40 A 50 °C - 3 min for power circuit	
	20 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	
	110 A 100 ms for signaling chourt	
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 W	1.8 W (at 20 °C)	
Hold-in power consumption in W	1.8 W at 20 °C	
Heat dissipation	1.8 W	
Control circuit voltage limits	Operational: 0.71.3 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	
	Power circuit: screw clamp terminals 2 cable(s) 1.5 mm²flexible with cable end	
Maximum operating rate	3600 cyc/h	
Coil technology	Built-in bidirectional peak limiting diode suppressor	
Auxiliary contacts type	type instantaneous 1 NC	
Minimum switching current	5 mA for signalling circuit	
Minimum switching voltage	17 V for signalling circuit	
Mounting support	Rail Plate	
Tightoning torsus	0.0 4.2 New construction to the Difference of	
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	1020 ms coil de-energisation and NO opening	
	3040 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	
Mechanical durability	30 Mcycles	
Electrical durability	4.0 Mayolog 0.4 A 0.0 at U. a. 440 V	
Electrical durability	1.3 Mcycles 9 A AC-3 at Ue <= 440 V	
	1.3 Mcycles 9 A AC-3e at Ue <= 440 V	
	0.16 Mcycles 20 A AC-1 at Ue <= 690 V	
. <u></u> .	0.02 Mcycles 54 A AC-4 at Ue <= 440 V	
Height	58 mm	
	45 mm	

Depth	57 mm
Product weight	0.235 kg

Environment

Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-5-1 UL 60947-5-1	
	CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4	
Product certifications	CB Scheme CCC UL CSA EAC CE UKCA	
IP degree of protection	IP2X	
Ambient air temperature for operation	-2550 °C	
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.600 cm
Package 1 Width	4.800 cm
Package 1 Length	6.200 cm
Package 1 Weight	221.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.222 kg
Unit Type of Package 3	P06
Number of Units in Package 3	320
Package 3 Height	45.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	82.540 kg

Logistical informations

Contractual warranty

Warranty

18 months

7 Feb 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)	73
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
China RoHS Regulation	China RoHS declaration

Use Again

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