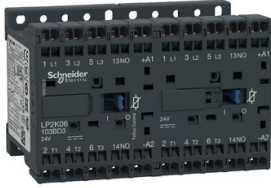


Product datasheet

Specifications



reversing contactor TeSys LP2-K - 3 poles - AC-3 440V 6 A - coil 24 V DC

LP2K06103BD3

⚠ Discontinued on: 8 Jul 2022

⚠ Discontinued

EAN Code: 3606480518676

Main

Product or component type	Reversing contactor
Device short name	LP2K
Contact application	Motor control
Utilisation category	AC-3 AC-3e
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit: <= 690 V AC <= 400 Hz
Motor power kW	1.5 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 3 kW at 440/500 V AC 50/60 Hz 3 kW at 660/690 V AC 50/60 Hz
Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	10 A (at 50 °C) for control circuit 16 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 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 63-110 110 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
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 16 A 50 Hz for power circuit
[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

Interlocking type	Mechanical
Mounting support	Plate Rail
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
Tightening torque	Power circuit: - on spring terminal - cable 0.75...1.5 mm ² - with screwdriver Philips No 2 flat screw head M6 Power circuit: - on spade terminal - cable 0.75...1.5 mm ² - with screwdriver pozidriv No 2
Operating time	10 ms coil de-energisation and NO opening 15 ms coil de-energisation and NC opening 25...35 ms coil energisation and NC opening 30...40 ms between energisation of coil and closing of NO contact
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	5000000 cycles
Maximum operating rate	3600 cyc/h

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	Drop-out: $\geq 0.10 U_c$ (at $<50^\circ\text{C}$) Operational: $0.8...1.15 U_c$ (at $<50^\circ\text{C}$)
Inrush power in W	3 W (at 20°C)
Hold-in power consumption in W	3 W at 20°C
Minimum switching current	5 mA for control circuit
Minimum switching voltage	17 V for control circuit
Insulation resistance	$> 10 \text{ MOhm}$ for control circuit

Environment

Ambient air temperature for operation	$-25...50^\circ\text{C}$
Ambient air temperature for storage	$-50...80^\circ\text{C}$
Operating altitude	2000 m without derating
Fire resistance	850°C conforming to IEC 60695-2-1
Flame retardance	Class C2 conforming to NF F 16-101 Class C2 conforming to NF F 16-102 V1 conforming to UL 94
Height	58 mm
Width	90 mm
Depth	57 mm
Net weight	0.48 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	6.5 cm
Package 1 Length	6.2 cm
Package 1 Weight	226.0 g

Contractual warranty

Warranty (in months)	18
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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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	222 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	218 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.8 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	64
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 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

Technical Benefits



- Preassembled with reversing power busbar
- Built-in in all 3 pole versions: 1NO or 1NC
- Up to 4 more by add-on blocks
- Wide variety of coil voltage and terminal connection options
- Delivers strong performance for its compact size and promises seamless integration in all applications and use
- Pre-wired power circuit connections as standard on screw clamp versions.
- It Features specific versions for railway (TeSys S207) and electrodomestic (TeSys S335) applications

Offer Marketing Illustration

Product benefits / Features

TeSys K

Reversing 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 finger-safe 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 the smallest contactors offerings in the market



Technical Illustration

Assembly's dimensions

