



Price\* : 39.57 GBP



## Main

Range of product	TeSys K
Range	TeSys
Product or component type	Contactors
Device short name	LP4K
Contactors application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ie] rated operational current	20 A (at $\leq 50$ °C) at $\leq 440$ V AC AC-1 for power circuit 16 A (at $\leq 70$ °C) at 690 V AC AC-1 for power circuit

## Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	Operational: 0.7...1.30 U <sub>c</sub> (at $\leq 50$ °C) Drop-out: 0.1...0.7 U <sub>c</sub> (at $\leq 50$ °C)
[U <sub>i</sub> ] rated insulation voltage	Power circuit: 600 V conforming to UL 508 Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to CSA C22.2 No 14
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
Overvoltage category	III
Mounting support	Plate Rail
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
Tightening torque	1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.3 N.m - on screw clamp terminals - with screwdriver flat $\varnothing$ 6 mm
[U <sub>e</sub> ] rated operational voltage	Power circuit: 690 V AC 50/60 Hz

Disclaimer: 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

[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 - Ith 20 A 50 Hz for power circuit
Inrush power in W	1.8 W (at 20 °C)
Hold-in power consumption in W	1.8 W at 20 °C
Operating time	30...40 ms energisation and NO closing 10 ms coil de-energisation and NO 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	30 Mcycles
Maximum operating rate	3600 cyc/h
Height	58 mm
Width	45 mm
Depth	57 mm
Product weight	0.235 kg

## Environment

Product certifications	CSA UL
Ambient air temperature for operation	-25...50 °C
Ambient air temperature for storage	-50...80 °C
Operating altitude	2000 m without

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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