Product data sheet Characteristics

LP4K0910BW3

TeSys K contactor - 3P - AC-3 <= 440 V 9 A - 1 NO aux. - 24 V DC coil



Local distributor code: 380907904 EAN Code: 3389110428582



Main

Range	TeSys	
Range of product	TeSys K	
Product or component type	Contactor	
Device short name	LP4K	
Contactor application	Resistive load Motor control	
Utilisation category	AC-3 AC-4 AC-1	
Poles description	3P	
Pole contact composition	3 NO	
[le] rated operational current	20 A (at <50 °C) at <= 440 V AC AC-1 for power circuit 9 A at <= 440 V AC AC-3 for power circuit 16 A (at <70 °C) at 690 V AC AC-1 for power circuit	
Auxiliary contact composition	1 NO	

Complementary

Complementary	
Coil technology	Built-in bidirectional peak limiting diode suppressor
Auxiliary contacts type	Type instantaneous 1 NO
Control circuit voltage limits	Operational: 0.71.30 Uc (at <50 °C)
	Drop-out: 0.10.7 Uc (at <50 °C)
[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
[Uimp] 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 Ø 6 mm
	1.3 N.M - on screw clamp terminals - with screwdriver pozidriv No 2

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[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz Signalling circuit: <= 690 V AC 50/60 Hz
[Ith] conventional free air thermal current	20 A (at 50 °C) for power circuit 10 A (at 50 °C) for signalling circuit
Irms rated making capacity	110 A AC for power circuit conforming to NF C 63-110 110 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 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 110 A at 220230 V conforming to IEC 60947 110 A at 380400 V conforming to IEC 60947 70 A at 660690 V conforming to IEC 60947
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
Inrush power in W	1.8 W (at 20 °C)
Hold-in power consumption in W	1.8 W at 20 °C
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
Maximum operating rate	3600 Cyc/H
Minimum switching current	5 MA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Insulation resistance	> 10 MOhm for signalling circuit
Height	58 Mm
Width	45 Mm
Depth	57 Mm
Net weight	0.235 Kg

Environment

Product certifications	UL CSA UKCA
Ambient air temperature for operation	-2550 °C
Ambient air temperature for storage	-5080 °C
Operating altitude	2000 m without derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	220.0 G
Package 1 Height	4.8 Cm
Package 1 width	6.2 Cm
Package 1 Length	6.6 Cm
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Weight	9.255 Kg
Package 2 Height	15.0 Cm
Package 2 width	30.0 Cm
Package 2 Length	40.0 Cm
Unit Type of Package 3	P06
Number of Units in Package 3	640
Package 3 Weight	156.58 Kg
Package 3 Height	77.0 Cm



Package 3 width	80.0 Cm
Package 3 Length	60.0 Cm
Offer Sustainability	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EEU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
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

Contractual warranty

Warranty 18 months

Product Life Status : Commercialised

