Product data sheet
Characteristics

LP4K12105BW3
TeSys K contactor - 3P - AC-3 <= 440 V 12 A - 1 NO aux. - 24 V DC coil

Product availability : Non-Stock - Not normally stocked in distribution facility

Green Premium™

Price** : 126.00 USD



Discontinued

LP4K12105BW3 has not been replaced. Please contact your customer care center for more information.

Main

Range of product	TeSys K
Range	TeSys
Product or component type	Contactor
Device short name	LP4K
Contactor application	Motor control Resistive load
Utilisation category	AC-4 AC-1 AC-3
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	20 A 122 °F (50 °C)) <= 440 V AC AC-1 power circuit 12 A<= 440 V AC AC-3 power circuit 16 A 158 °F (70 °C)) 690 V AC AC-1 power circuit
Auxiliary contact composition	1 NO

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Auxiliary contacts type	Instantaneous 1 NO
Control circuit voltage limits	Operational 0.7...1.30 Uc 122 °F (50 °C)) Drop-out 0.1...0.7 Uc 122 °F (50 °C))
[Ui] rated insulation voltage	Power circuit 600 V UL 508 Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-5-1 Signalling circuit 600 V UL 508 Power circuit 600 V CSA C22.2 No 14 Signalling circuit 600 V CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III

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

Mounting support	Printed circuit boards
Flame retardance	V1 UL 94 Requirement 2 NF F 16-101 Requirement 2 NF F 16-102
[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 122 °F (50 °C) power circuit 10 A 122 °F (50 °C) signalling circuit
Irms rated making capacity	110 A AC signalling circuit IEC 60947 144 A AC power circuit NF C 63-110 144 A AC power circuit IEC 60947
Rated breaking capacity	110 A 440 V IEC 60947 80 A 500 V IEC 60947 70 A 660...690 V IEC 60947
Associated fuse rating	25 A gG <= 440 V power circuit 25 A aM power circuit 10 A gG signalling circuit IEC 60947 10 A gG signalling circuit VDE 0660
Average impedance	3 mOhm - Ith 20 A 50 Hz power circuit
Inrush power in W	1.8 W 68 °F (20 °C))
Hold-in power consumption in W	1.8 W 68 °F (20 °C)
Operating time	10...20 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	30 Mcycles
Maximum operating rate	3600 cyc/h
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Insulation resistance	> 10 MOhm signalling circuit
Height	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.24 in (57 mm)
Net weight	0.52 lb(US) (0.235 kg)

Environment

Product certifications	CSA UL
Ambient air temperature for operation	-13…122 °F (-25…50 °C)
Ambient air temperature for storage	-58…176 °F (-50…80 °C)
Operating altitude	6561.68 ft (2000 m) without derating

Ordering and shipping details

Category	22321 - CTR,K-LINE,DC,OPEN,NONREV
Discount Schedule	I12
GTIN	03389110791204
Returnability	No
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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