Product data sheet

Specifications



Auxiliary contact block, TeSys K, 3NO+1NC, front mounting, screw clamp terminals

LA1KN31

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys
Product name	TeSys K
Product or Component Type	Auxiliary contact block
Device short name	LA1
Range compatibility	TeSys K LC1K TeSys K CA2K TeSys K CA3K
Mounting Location	Front
Pole contact composition	3 NO + 1 NC
Contacts operation	Instantaneous
[Ue] rated operational voltage	690 V AC 25...400 Hz
[Ui] rated insulation voltage	690 V IEC 60947-5-1 600 V UL 60947-5-1 600 V CSA C22.2 No 60947-5-1
[Ith] conventional free air thermal current	10 A (at 122 °F (50 °C))
Standards	EN/IEC 60947-5-1 UL 60947-5-1 CSA C22.2 No 60947-5-1 GB/T 14048.5 JIS C8201-5-1 UL 60335-2-40:Annex JJ
Product Certifications	CB Scheme CCC UL CSA CE UKCA

Complementary

Irms rated making capacity	110 A at <= 690 V AC conforming to IEC 60947
Permissible short-time rating	80 A 1 s 60 A 500 ms 110 A 100 ms
Associated fuse rating	10 A gG at <= 690 V conforming to IEC 60947
Minimum switching current	5 mA
Minimum switching voltage	17 V
Non overlap distance	0.02 in (0.5 mm)
Insulation resistance	> 10 MOhm

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Connections - terminals	screw clamp terminals 1 0.0005…0.002 in² (0.34…1.5 mm²)flexible with cable end screw clamp terminals 1 0.001…0.006 in² (0.75…4 mm²)flexible without cable end screw clamp terminals 1 0.002…0.006 in² (1.5…4 mm²)rigid screw clamp terminals 2 0.0005…0.002 in² (0.34…1.5 mm²)flexible with cable end screw clamp terminals 2 0.001…0.006 in² (0.75…4 mm²)flexible without cable end screw clamp terminals 2 0.002…0.006 in² (1.5…4 mm²)rigid
Tightening torque	11.5 lbf.in (1.3 N.m) Philips No 2 11.5 lbf.in (1.3 N.m) pozidriv No 2
Height	1.2 in (30 mm)
Width	1.5 in (38 mm)
Depth	1.4 in (35 mm)
Net Weight	0.099 lb(US) (0.045 kg)

Environment

Environmental characteristic	Normal environment
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TC IEC 60068
Ambient Air Temperature for Storage	-58…176 °F (-50…80 °C)
Ambient Air Temperature for Operation	-13…122 °F (-25…50 °C)
Operating altitude	6561.68 ft (2000 m)

Ordering and shipping details

Category	US1CTR121253
Discount Schedule	CTR1
GTIN	3389110500097
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.496 in (3.800 cm)
Package 1 Width	1.575 in (4.000 cm)
Package 1 Length	1.417 in (3.600 cm)
Package weight(Lbs)	1.411 oz (40.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	9.965 lb(US) (4.520 kg)

Contractual warranty

Warranty (in months)	18

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	**4 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.9 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**3 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.1 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

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**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead, which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**

Use Again

Repack and remanufacture

Recyclability potential, in %	**43**
Circularity Profile	**No need of specific recycling operations**
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.**