Product data sheet
Characteristics

LA1KN31M
Auxiliary contact block, TeSys K, 3NO+1NC, front mounting, screw clamp terminals, EN 50012



Main

Range	TeSys
Product name	TeSys K
Product or component type	Auxiliary contact block
Device short name	LA1
Product compatibility	3P contactor
Range compatibility	TeSys K LC1K
Mounting location	Front
Pole contact composition	3 NO + 1 NC
Auxiliary contacts operation	Instantaneous
[Ue] rated operational voltage	690 V AC 25...400 Hz
[Ui] rated insulation voltage	690 V conforming to IEC 60947-5-1 600 V conforming to UL 60947-5-1 600 V conforming to CSA C22.2 No 60947-5-1
[Ith] conventional free air thermal current	10 A (at 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[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]CE[RETURN]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	0.5 Mm
Insulation resistance	> 10 MOhm
Connections - terminals	Screw clamp terminals 1 cable(s) 0.34…1.5 mm²flexible with cable end Screw clamp terminals 1 cable(s) 0.75…4 mm²flexible without cable end Screw clamp terminals 1 cable(s) 1.5…4 mm²rigid Screw clamp terminals 2 cable(s) 0.34…1.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.75…4 mm²flexible without cable end Screw clamp terminals 2 cable(s) 1.5…4 mm²rigid
Tightening torque	1.3 N.M - with screwdriver Philips No 2 1.3 N.M - with screwdriver pozidriv No 2

Height	30 Mm
Width	38 Mm
Depth	35 Mm
Net weight	0.045 Kg

Environment

Environmental characteristic	Normal environment
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TC conforming to IEC 60068
Ambient air temperature for storage	-50…80 °C
Ambient air temperature for operation	-25…50 °C
Operating altitude	2000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.900 Cm
Package 1 Width	4.200 Cm
Package 1 Length	4.200 Cm
Package 1 Weight	38.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	4.565 Kg

Offer Sustainability

Recyclability potential, in %	43
Total lifecycle Carbon footprint	4 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.92084
Carbon footprint of the manufacturing phase [A1 to A3]	0.9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0058845
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0043312
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3.1606
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	3 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.11352
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	4
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
End of life manual availability	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

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised