

# Product data sheet

## Characteristics

# LA1DZ31

Auxiliary contact block, TeSys D, 2NO (sealed) + 1NO + 1NC, front mounting, screw clamp terminals



### Main

Range	TeSys
Product name	TeSys D
Product or component type	Auxiliary contact block
Device short name	LA1
Range compatibility	TeSys D CAD TeSys D LC1D TeSys F LC1F TeSys F CR1F
Mounting location	Front
Pole contact composition	2 NO (sealed) + 1 NO + 1 NC
Contacts operation	Instantaneous
[Ue] rated operational voltage	125 V AC for protected contact 30 V DC for protected contact 690 V AC for non-protected contact
[Ui] rated insulation voltage	125 V - for protected contact conforming to IEC 60947-5-1 690 V - for non-protected contact conforming to IEC 60947-5-1 600 V - for non-protected contact conforming to UL 60947-5-1 600 V - for non-protected contact conforming to CSA C22.2 No 60947-5-1
[Ith] conventional free air thermal current	0.1 A (at 40 °C) for protected contact 10 A (at 40 °C) for non-protected contact
Standards	EN/IEC 60947-5-1 UL 60947-5-1 CSA C22.2 No 60947-5-1 GB/T 14048.5
Product certifications	IECEE CB Scheme (pending) UL CSA CCC (pending) EAC

### Complementary

Protection type	GG fuse 10 A for non-protected contact
Mechanical durability	5 Mcycles
Minimum switching current	1 mA for protected contact 5 mA for non-protected contact
Minimum switching voltage	5 V for protected contact 17 V for non-protected contact
Insulation resistance	> 10 MOhm
Connections - terminals	Screw clamp terminals 1 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Screw clamp terminals 1 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Screw clamp terminals 1 cable(s) 1...2.5 mm <sup>2</sup> rigid Screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> rigid
Tightening torque	1.7 N.M - with screwdriver flat Ø 6 mm 1.7 N.m - with screwdriver Philips No 2
Height	48 mm

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Width	44 mm
Depth	39 mm

## Environment

Environmental characteristic	Harsh environment
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for storage	-25...70 °C
Ambient air temperature for operation	-25...70 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	63 g
Package 1 Height	4 cm
Package 1 width	4.8 cm
Package 1 Length	5.2 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Weight	635 g
Package 2 Height	5 cm
Package 2 width	8.5 cm
Package 2 Length	26 cm
Unit Type of Package 3	S02
Number of Units in Package 3	80
Package 3 Weight	5.52 kg
Package 3 Height	15 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins