

Product data sheet

Specifications



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

LADN31

Main

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|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Range | TeSys TeSys Deca |
| Product name | TeSys D TeSys Deca |
| Product or component type | Auxiliary contact block |
| Device short name | LADN |
| Range compatibility | TeSys D CAD TeSys D LC1D TeSys F LC1F TeSys F CR1F TeSys Deca CAD TeSys Deca LC1D |
| Mounting location | Front |
| Pole contact composition | 3 NO + 1 NC |
| Contacts operation | Instantaneous |
| [Ue] rated operational voltage | 690 V AC 25...400 Hz |
| [Ie] rated operational current | 6 A at 120 V AC-15 1.04 A at 690 V AC-15 0.55 A at 125 V DC-13 0.1 A at 600 V DC-13 |
| [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 60 °C) |
| 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 UL CSA CCC EAC UKCA |

Complementary

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|--------------------------------------|------------------------------------------------------------------------------|
| Irms rated making capacity | 140 A AC conforming to IEC 60947-5-1 250 A DC conforming to IEC 60947-5-1 |
| Permissible short-time rating | 100 A 60 °C 1 s 120 A 60 °C 500 ms 140 A 60 °C 100 ms |

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| Protection type | GG fuse 10 A |
| Mechanical durability | 30 Mcycles |
| Minimum switching current | 5 mA |
| Minimum switching voltage | 17 V |
| Non-overlap time | 1.5 ms on de-energisation no overlap between NC and NO contact 1.5 ms on energisation no overlap between NC and NO contact |
| Insulation resistance | > 10 MOhm |
| Connections - terminals | Screw clamp terminals 1 cable(s) 1...2.5 mm ² flexible with cable end Screw clamp terminals 1 cable(s) 1...2.5 mm ² flexible without cable end Screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible without cable end Screw clamp terminals 1 cable(s) 1...2.5 mm ² rigid Screw clamp terminals 2 cable(s) 1...2.5 mm ² rigid |
| Tightening torque | 1.7 N.m - with screwdriver flat Ø 6 mm 1.7 N.m - with screwdriver Philips No 2 |
| Colour | Dark grey |
| Height | 48 mm |
| Width | 44 mm |
| Depth | 42 mm |
| Net weight | 0.05 kg |

Environment

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|----------------------------------------------|------------------------------|
| Environmental characteristic | Normal environment |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Protective treatment | TH conforming to IEC 60068 |
| Ambient air temperature for storage | -60...80 °C |
| Ambient air temperature for operation | -5...60 °C |
| Operating altitude | 3000 m |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 62 g |
| Package 1 Height | 4.8 cm |
| Package 1 width | 4.2 cm |
| Package 1 Length | 5 cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 630 g |
| Package 2 Height | 4.8 cm |
| Package 2 width | 8.6 cm |
| Package 2 Length | 26 cm |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 160 |
| Package 3 Weight | 10.567 kg |
| Package 3 Height | 30 cm |

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| Package 3 width | 30 cm |
| Package 3 Length | 40 cm |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | Product Environmental Profile |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |