# Product data sheet
## Characteristics

# LADN22G
Auxiliary contact block, TeSys Deca, 2NO +2NC, front mounting, screw clamp terminals, EN 50012




## Main

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|---|---|
| Range | TeSys<br>TeSys Deca |
| Product name | TeSys Deca |
| Product or component type | Auxiliary contact block |
| Device short name | LADN |
| Range compatibility | TeSys D LC1D09...D80<br>TeSys D LC1DT20...DT40<br>TeSys D LC1DT60A...DT80A<br>TeSys F LC1F<br>TeSys F CR1F<br>TeSys Deca LC1D09...D80<br>TeSys Deca LC1DT20...DT40<br>TeSys Deca LC1DT60A...DT80A |
| Mounting location | Front |
| Pole contact composition | 2 NO + 2 NC |
| Auxiliary contacts operation | Instantaneous |
| [Ue] rated operational voltage | 690 V AC 25...400 Hz |
| [Ie] rated operational current | 6 A at 120 V AC-15<br>1.04 A at 690 V AC-15<br>0.55 A at 125 V DC-13<br>0.1 A at 600 V DC-13 |
| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-5-1<br>600 V conforming to UL<br>600 V conforming to CSA |
| [Ith] conventional free air thermal current | 10 A (at 60 °C) |
| Standards | EN/IEC 60947-5-1<br>GB/T 14048.5<br>EN 50012<br>UL 60947-5-1<br>CSA C22.2 No 60947-5-1<br>IEC 60335-1:Clause 30.2<br>IEC 60335-2-40:Annex JJ<br>UL 60335-2-40:Annex JJ |
| Product certifications | CB Scheme[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]UKCA |

## Complementary

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| Irms rated making capacity | 140 A AC conforming to IEC 60947-5-1<br>250 A DC conforming to IEC 60947-5-1 |
| Permissible short-time rating | 100 A 60 °C 1 s<br>120 A 60 °C 500 ms<br>140 A 60 °C 100 ms |
| 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<br>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…4 mm²flexible with cable end<br>Screw clamp terminals 1 cable(s) 1…4 mm²flexible without cable end<br>Screw clamp terminals 2 cable(s) 1…2.5 mm²flexible with cable end<br>Screw clamp terminals 2 cable(s) 1…4 mm²flexible without cable end<br>Screw clamp terminals 1 cable(s) 1…4 mm²rigid without cable end<br>Screw clamp terminals 2 cable(s) 1…4 mm²rigid without cable end |
| Tightening torque | 1.7 N.M - with screwdriver flat Ø 6 mm<br>1.7 N.M - with screwdriver Philips No 2<br>1.7 N.M - with screwdriver pozidriv No 2 |
| Height | 48 Mm |
| Width | 44 Mm |
| Depth | 42 Mm |
| Net weight | 0.05 Kg |
| Colour | Dark grey |

## 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 Height | 5.000 Cm |
| Package 1 Width | 4.000 Cm |
| Package 1 Length | 5.000 Cm |
| Package 1 Weight | 62.000 G |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 160 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 10.433 Kg |

## Offer Sustainability

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| Recyclability potential, in % | 39 |
| Total lifecycle Carbon footprint | 4 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.41771858290220826 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.4 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.06786586045038151 |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |

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| Carbon footprint of the installation phase [A5] | 0.008480726561347006 |
| 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] | 0.15462428493948835 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.2 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 |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead, which is known to the S |
| 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 a |

## Contractual warranty

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| Warranty (in months) | 18 |

Product Life Status : Commercialised