

# Product data sheet

Specifications



## Auxiliary contact block, TeSys Deca, 2NO, front mounting, screw clamp terminals

LADN20

### Main

|                                             |                                                                                                  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------|
| Range                                       | TeSys<br>TeSys Deca                                                                              |
| Product name                                | TeSys Deca                                                                                       |
| Product or component type                   | Auxiliary contact block                                                                          |
| Device short name                           | LADN                                                                                             |
| Range compatibility                         | TeSys D CAD<br>TeSys D LC1D<br>TeSys F LC1F<br>TeSys F CR1F<br>TeSys Deca CAD<br>TeSys Deca LC1D |
| Mounting location                           | Front                                                                                            |
| Pole contact composition                    | 2 NO                                                                                             |
| 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                                   | UL 60947-5-1<br>CSA C22.2 No 60947-5-1<br>GB/T 14048.5<br>EN 50012                               |
| Product certifications                      | CB<br>UL<br>CSA<br>CCC<br>EAC<br>UKCA                                                            |

### Complementary

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| 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                     | 26 mm                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Depth                     | 42 mm                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Colour                    | Dark grey                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| 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

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 2.800 cm  |
| Package 1 Width              | 4.200 cm  |
| Package 1 Length             | 5.200 cm  |
| Package 1 Weight             | 34.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 2.800 cm  |
| Package 2 Width              | 8.600 cm  |
| Package 2 Length             | 25.600 cm |
| Package 2 Weight             | 342.000 g |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 320       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |

|                  |           |
|------------------|-----------|
| Package 3 Weight | 11.452 kg |
|------------------|-----------|

Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| RoHS exemption information | <a href="#">Yes</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 |

Recommended replacement(s)