

Product datasheet

Specifications



TeSys D control relay - 3 NO + 2 NC - 690 V - 24 V DC standard coil

CAD326BDS207

⚠ Discontinued on: 9 Feb 2023

EAN Code: 3389118313606

⚠ Discontinued

Main

| | |
|---------------------------|-----------------|
| Range | TeSys |
| Product name | TeSys CAD |
| Product or component type | Control relay |
| Device short name | CAD |
| Contactors application | Control circuit |

Complementary

| | |
|---|--|
| Utilisation category | AC-14 DC-13 AC-15 |
| Pole contact composition | 3 NO + 2 NC |
| [Ue] rated operational voltage | <= 690 V AC 25...400 Hz |
| Control circuit type | DC standard |
| [Uc] control circuit voltage | 24 V DC |
| Coil technology | With integral suppression device |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947 |
| [Ith] conventional free air thermal current | 10 A (at 60 °C) |
| Irms rated making capacity | 140 A AC conforming to IEC 60947-5-1 250 A DC conforming to IEC 60947-5-1 |
| [Icw] rated short-time withstand current | 100 A - 1 s 120 A - 500 ms 140 A - 100 ms |
| Associated fuse rating | 10 A gG conforming to IEC 60947-5-1 |
| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-5-1 |
| Mounting support | Rail Plate |
| Connections - terminals | Lugs-ring terminals (external diameter: 9.5 mm) |
| Tightening torque | 1.7 N.m - on lugs-ring terminals - with screwdriver Philips No 2 M3.5 1.7 N.m - on lugs-ring terminals - with screwdriver flat Ø 6 mm M3.5 |
| Control circuit voltage limits | 0.1...0.25 U _c (-40...70 °C):drop-out DC 0.7...1.25 U _c (-40...70 °C):operational DC |
| Operating time | 53...72 ms coil energisation and NO closing 16...24 ms coil de-energisation and NO opening 47...63 ms coil energisation and NC opening 15...25 ms coil de-energisation and NC closing |
| Mechanical durability | 30 Mcycles |

| | |
|---------------------------------------|--|
| Maximum operating rate | 180 cyc/mn |
| Time constant | 28 ms |
| Inrush power in W | 5.4 W (at 20 °C) |
| Hold-in power consumption in W | 5.4 W at 20 °C |
| Minimum switching voltage | 17 V |
| Minimum switching current | 5 mA |
| Non-overlap time | 1.5 ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact |
| Insulation resistance | > 10 MOhm |
| Mechanical robustness | Shocks control relay open: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks control relay closed: 15 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations control relay open: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations control relay closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 |
| Height | 77 mm |
| Width | 45 mm |
| Depth | 93 mm |
| Net weight | 0.32 kg |

Environment

| | |
|--|---|
| Standards | EN 45545: R22 HL3 EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 |
| Product certifications | CB CCC UL CSA EAC CE UKCA |
| IP degree of protection | IP20 front face conforming to IEC 60529 |
| Protective treatment | TH conforming to IEC 60068 |
| Ambient air temperature for operation | -40...70 °C |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 0...3000 m |
| Fire resistance | 850 °C conforming to IEC 60695-2-1 |
| Flame retardance | V0 conforming to UL 94 |

Packing Units

| | |
|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.5 cm |
| Package 1 Width | 8.2 cm |
| Package 1 Length | 10.3 cm |
| Package 1 Weight | 517.0 g |

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

| | |
|--|---|
| Total lifecycle Carbon footprint | 39 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 3 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 33 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

Use Better



Materials and Substances

| | |
|--|--------------------------------------|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 1458ab17-a509-4aaa-af79-53b2256865cd |

Use Longer




Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| Recyclability potential, in % | 73 |
| 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 never end up in rubbish bins |

Offer Marketing Illustration

Product benefits / Features

TeSys Deca Control Relays



Performance

Engineered to enhance performance, this solution bridges automation with advanced power architectures to significantly boost motor efficiency.



Versatile

It supports multiple connection methods, including screw clamp terminals, spring terminals, and direct PCB welding, ensuring flexible installation across various applications.



Efficient

It offers connected, efficient products and solutions for switching and protection of motors and electrical loads in compliance with all major global electrical standards.

Offer Marketing Illustration

Product benefits / Features

TeSys Deca Technical Benefits



- Control relays for AC or DC control circuits (AC15, DC13)
- Up to 5 contacts (with different combinations of NO + NC contacts)
- Various Relay Coil Voltages: A.C, D.C. or low consumption
- Instantaneous contacts on the control relays and time delay auxiliary contact blocks
- Wide range of temperature: - 40°C – 70°C
- A full scope of accessories and spare parts