# **Product datasheet**

Specifications





### TeSys D control relay - 3 NO + 2 NC - <= 690 V - 415 V AC standard coil

CAD32N7

#### Main

Range	TeSys TeSys Deca
Product Name	TeSys CAD
Product Or Component Type	Control relay
Device Short Name	CAD
Contactor Application	Control circuit

#### Complementary

Complementary	
Utilisation Category	AC-14 DC-13 AC-15
Pole Contact Composition	3 NO + 2 NC
[Ue] Rated Operational Voltage	<= 690 V AC 25400 Hz
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	415 V AC 50/60 Hz
[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	600 V UL certified 600 V CSA certified 690 V conforming to IEC 60947-5-1
Mounting Support	Rail Plate
Connections - Terminals	Screw clamp terminals 1 cable(s) 14 mm <sup>2</sup> flexible without cable end Screw clamp terminals 2 cable(s) 14 mm <sup>2</sup> flexible without cable end Screw clamp terminals 1 cable(s) 14 mm <sup>2</sup> flexible with cable end Screw clamp terminals 2 cable(s) 12.5 mm <sup>2</sup> flexible with cable end Screw clamp terminals 1 cable(s) 14 mm <sup>2</sup> solid without cable end Screw clamp terminals 2 cable(s) 14 mm <sup>2</sup> solid without cable end
Tightening Torque	<ul> <li>1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2</li> <li>1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm</li> <li>1.2 N.m - on screw clamp terminals - with screwdriver pozidriv No 2</li> </ul>

0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz
0.81.1 Uc (-4060 °C):operational AC 50 Hz
0.851.1 Uc (-4060 °C):operational AC 60 Hz
11.1 Uc (6070 °C):operational AC 50/60 Hz
1222 ms coil energisation and NO closing
412 ms coil de-energisation and NO opening
419 ms coil energisation and NC opening
617 ms coil de-energisation and NC closing
30 Mcycles
180 cyc/mn
70 VA 50 Hz (at 20 °C)
8 VA 50 Hz (at 20 °C)
17 V
5 mA
1.5 ms on energisation between NC and NO contact
1.5 ms on de-energisation between NC and NO contact
> 10 MOhm
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, 5300 Hz conforming to IEC 60068-2-6
Vibrations control relay closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6
77 mm
45 mm
84 mm
0.58 kg

### Environment

Standards	EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1
Product Certifications	CB CCC UL CSA EAC CE UKCA
Ip Degree Of Protection	IP2X front face conforming to VDE 0106
Protective Treatment	TH conforming to IEC 60068
Ambient Air Temperature For Operation	-40…60 °C 60…70 °C with derating
Ambient Air Temperature For Storage	-6080 °C
Operating Altitude	03000 m

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.4 cm
Package 1 Width	9.4 cm

Package 1 Length	11.18 cm
Package 1 Weight	358.5 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	20
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.695 kg

## Contractual warranty

Warranty

18 months

## Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance

Mercury Free

Rohs Exemption Information Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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
Circularity Profile	End of Life Information