# **Product data sheet**

Specifications





## Control relay, TeSys Deca, 3NO+2NC, 0 to 690V, 600VAC 50/60Hz standard coil, screw clamp

CAD32X7

#### Main

Range	TeSys TeSys Deca
Product name	TeSys CAD
Product or component type	Control relay
Device short name	CAD
contactor application	Control circuit

#### Complementary

o o in promontary	
Utilisation category	AC-14 AC-15 DC-13
Pole contact composition	3 NO + 2 NC
[Ue] rated operational voltage	<= 690 V AC 25400 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	600 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
[Ith] conventional free air thermal current	10 A (at 140 °F (60 °C))
Irms rated making capacity	140 A AC IEC 60947-5-1 250 A DC IEC 60947-5-1
[lcw] 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 600 V CSA 690 V IEC 60947-5-1
mounting support	Rail Plate
Connections - terminals	screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without cable end screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end screw clamp terminals 2 0.0020.004 in² (12.5 mm²)flexible with cable end screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end screw clamp terminals 2 0.0020.006 in² (14 mm²)solid without cable end
Tightening torque	10.6 lbf.in (1.2 N.m) screw clamp terminals Philips No 2 10.6 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm

10.6 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2

Control circuit voltage limits	0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 50/60 Hz 0.81.1 Uc -40140 °F (-4060 °C) operational AC 50 Hz 0.851.1 Uc -40140 °F (-4060 °C) operational AC 60 Hz 11.1 Uc 140158 °F (6070 °C) operational AC 50/60 Hz	
Operating time	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	
Mechanical durability	30 Mcycles	
Maximum operating rate	180 cyc/mn	
Inrush power in VA	70 VA 50 Hz (at 68 °F (20 °C))	
Hold-in power consumption in VA	8 VA 50 Hz (at 68 °F (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 open10 Gn for 11 ms IEC 60068-2-27 Shocks control relay closed15 Gn for 11 ms IEC 60068-2-27 Vibrations control relay open2 Gn, 5300 Hz IEC 60068-2-6 Vibrations control relay closed4 Gn, 5300 Hz IEC 60068-2-6	
Height	3.03 in (77 mm)	
Width	1.8 in (45 mm)	
Depth	3.3 in (84 mm)	
Net weight	1.28 lb(US) (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 VDE 0106
Protective treatment	TH IEC 60068
Ambient air temperature for operation	-40140 °F (-4060 °C) 140158 °F (6070 °C) with derating
Ambient air temperature for storage	-76176 °F (-6080 °C)
Operating altitude	03000 m

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.3 in (11.0 cm)
Package 1 Width	3.6 in (9.1 cm)

Package 1 Length	2.0 in (5.0 cm)
Package 1 Weight	12.4 oz (352.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	16.524 lb(US) (7.495 kg)

## **Contractual warranty**

Warranty 18 months

### Sustainability Green Premium

**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