# Product data sheet

Specifications





# TeSys Deca control relay - 3 NO + 2 NC - <= 690 V - 220 V DC standard coil

CAD32MD

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Price\*: 112.20 USD

### 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
	AC-15
	DC-13
Pole Contact Composition	3 NO + 2 NC
[Ue] Rated Operational Voltage	<= 690 V AC 25400 Hz
Control Circuit Type	DC standard
[Uc] Control Circuit Voltage	220 V DC
[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
3	250 A DC IEC 60947-5-1
[Icw] Rated Short-Time Withstand	100 A - 1 s
Current	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 0.000.01 in <sup>2</sup> (14 mm <sup>2</sup> )flexible without cable end
	screw clamp terminals 2 0.000.01 in <sup>2</sup> (14 mm <sup>2</sup> )flexible without cable end
	screw clamp terminals 1 0.000.01 in <sup>2</sup> (14 mm <sup>2</sup> )flexible with cable end
	screw clamp terminals 2 0.000.00 in <sup>2</sup> (12.5 mm <sup>2</sup> )flexible with cable end
	screw clamp terminals 1 0.000.01 in <sup>2</sup> (14 mm <sup>2</sup> )solid without cable end
	screw clamp terminals 2 0.000.01 in <sup>2</sup> (14 mm <sup>2</sup> )solid without cable end
Tightening Torque	10.62 lbf.in (1.2 N.m) screw clamp terminals Philips No 2
	10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm
	10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Control Circuit Voltage Limits	0.10.25 Uc -40158 °F (-4070 °C) drop-out DC 0.71.25 Uc -40140 °F (-4060 °C) operational DC 11.25 Uc 140158 °F (6070 °C) operational DC
Operating Time	5372 ms coil energisation and NO closing 1624 ms coil de-energisation and NO opening 4763 ms coil energisation and NC opening 1525 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 68 °F (20 °C))
Hold-In Power Consumption In W	5.4 W 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	1.77 in (45 mm)
Depth	3.66 in (93 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	09842.52 ft (03000 m)

# Ordering and shipping details

Category	US10I1222371
Discount Schedule	0112
Gtin	3389110405118
Returnability	No

Country Of	Origin	
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### **Packing Units**

PCE
1
1.97 in (5.000 cm)
3.62 in (9.200 cm)
4.41 in (11.200 cm)
17.71 oz (502.000 g)
S02
15
5.91 in (15.000 cm)
11.81 in (30.000 cm)
15.75 in (40.000 cm)
17.27 lb(US) (7.835 kg)

# **Contractual warranty**

Warranty

18 months

ID

# Sustainability Screen 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance

Mercury Free

Rohs Exemption Information

### **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
California Proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov