# Product data sheet

Specification





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

CAD32M7

Product availability: Stock - Normally stocked in distribution facility

Price\*: 63.25 USD

#### Main

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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	DC-13 AC-14 AC-15	
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	220 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	
[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 600 V CSA 690 V IEC 60947-5-1	
Mounting Support	Plate Rail	
Connections - Terminals	screw clamp terminals 1 0.000.01 in² (14 mm²)flexible without cable end screw clamp terminals 2 0.000.01 in² (14 mm²)flexible without cable end screw clamp terminals 1 0.000.01 in² (14 mm²)flexible with cable end screw clamp terminals 2 0.000.00 in² (12.5 mm²)flexible with cable end screw clamp terminals 1 0.000.01 in² (14 mm²)solid without cable end screw clamp terminals 2 0.000.01 in² (14 mm²)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	0.30.6 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	a 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	1.77 in (45 mm)	
Depth	3.31 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	09842.52 ft (03000 m)	

# Ordering and shipping details

Category	US10I1222371	
Discount Schedule	0112	
Gtin	3389110401424	
Returnability	Yes	

Country Of Origin US

## **Packing Units**

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	1.97 in (5.000 cm)	
Package 1 Width	3.54 in (9.000 cm)	
Package 1 Length	4.33 in (11.000 cm)	
Package 1 Weight	12.28 oz (348.000 g)	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	20	
Package 2 Height	5.91 in (15.000 cm)	
Package 2 Width	11.81 in (30.000 cm)	
Package 2 Length	15.75 in (40.000 cm)	
Package 2 Weight	15.87 lb(US) (7.197 kg)	
Unit Type Of Package 3	P06	
Number Of Units In Package 3	320	
Package 3 Height	29.53 in (75.000 cm)	
Package 3 Width	31.50 in (80.000 cm)	
Package 3 Length	23.62 in (60.000 cm)	
Package 3 Weight	271.50 lb(US) (123.152 kg)	

## **Contractual warranty**

Warranty 18 months

## Sustainability Screen Premium

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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
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