## **Product data sheet**

Specification





# TeSys Deca control relay - 5 NO - <= 690 V - 24 V DC standard coil

CAD503BD

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**

Complemental y	
Utilisation Category	DC-13
	AC-15
	AC-14
	70 11
Pole Contact Composition	5 NO
[Ue] Rated Operational Voltage	<= 690 V AC 25400 Hz
Control Circuit Type	DC standard
[Uc] Control Circuit Voltage	24 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
<b>3,</b>	250 A DC IEC 60947-5-1
	250 / 100 1120 00047 0 1
[Icw] Rated Short-Time Withstand	100 A - 1 s
Current	120 A - 500 ms
	140 A - 100 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
	090 V ILO 00947-3-1
Mounting Support	Rail
	Plate
Connections - Terminals	spring terminals 1 0.000.00 in <sup>2</sup> (12.5 mm <sup>2</sup> )flexible without cable end
	spring terminals 2 0.000.00 in <sup>2</sup> (12.5 mm <sup>2</sup> )flexible without cable end
	spring terminals 1 0.000.00 in <sup>2</sup> (12.5 mm <sup>2</sup> )solid without cable end
	spring terminals 2 0.000.00 in <sup>2</sup> (12.5 mm <sup>2</sup> )solid without cable end
	,
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
Mechanical Durability	20 Mayalaa
moonamour burdonity	30 Mcycles

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

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	3.90 in (99 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	3389110820317	
Returnability	No	
Country Of Origin	FR	

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.13 in (5.4 cm)

Package 1 Width	4.33 in (11 cm)
Package 1 Length	4.80 in (12.2 cm)
Package 1 Weight	19.29 oz (547 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	19.33 lb(US) (8.768 kg)

## **Contractual warranty**

Warranty 18 months

### Sustainability Green 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