

# Product data sheet

Specifications



Control relay, TeSys Deca, 5NO, <= 690V, 24VDC low consumption coil, Lugs-ring terminals

CAD506BL

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

Price\*: 112.20 USD

## Main

Range	TeSys
Product name	TeSys CAD
Product or Component Type	Control relay
Device short name	CAD
Contactor application	Control circuit

## Complementary

Utilisation category	AC-14 DC-13 AC-15
Pole contact composition	5 NO
[Ue] rated operational voltage	<= 690 V AC 25...400 Hz
Control circuit type	DC low consumption
[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 60947-5-1 250 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	Rail Plate
Connections - terminals	lugs-ring terminals 0.3 in (8 mm))
Control circuit voltage limits	0.1...0.25 Uc -40...158 °F (-40...70 °C) drop-out DC 0.7...1.25 Uc -40...140 °F (-40...60 °C) operational DC 1...1.25 Uc 140...158 °F (60...70 °C) operational DC
Operating time	65...88 ms coil energisation and NO closing 14...25 ms coil de-energisation and NO opening
Mechanical durability	30 Mcycles
Maximum operating rate	180 cyc/mn

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

<b>Time constant</b>	40 ms
<b>Inrush power in W</b>	2.4 W 68 °F (20 °C))
<b>Hold-in power consumption in W</b>	2.4 W 68 °F (20 °C)
<b>Minimum switching voltage</b>	17 V
<b>Minimum switching current</b>	5 mA
<b>Non-overlap time</b>	1.5 ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact
<b>Insulation resistance</b>	> 10 MOhm
<b>Mechanical robustness</b>	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, 5...300 Hz IEC 60068-2-6 Vibrations control relay closed4 Gn, 5...300 Hz IEC 60068-2-6
<b>Height</b>	3.03 in (77 mm)
<b>Width</b>	1.8 in (45 mm)
<b>Depth</b>	3.7 in (93 mm)
<b>Net Weight</b>	1.28 lb(US) (0.58 kg)

## Environment

<b>Standards</b>	EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1
<b>Product Certifications</b>	CB Scheme CCC UL CSA EAC CE UKCA
<b>IP degree of protection</b>	IP2X VDE 0106
<b>Protective treatment</b>	TH IEC 60068
<b>Ambient air temperature for operation</b>	-40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating
<b>Ambient Air Temperature for Storage</b>	-76...176 °F (-60...80 °C)
<b>Operating altitude</b>	0...9842.52 ft (0...3000 m)

## Ordering and shipping details

<b>Category</b>	US10I1222371
<b>Discount Schedule</b>	0112
<b>GTIN</b>	3389118003521
<b>Returnability</b>	No
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.06 in (10.3 cm)
<b>Package 1 Width</b>	3.19 in (8.1 cm)

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Package 1 Length	2.13 in (5.4 cm)
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Package 1 Weight	17.3 oz (490.0 g)
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## Contractual warranty

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Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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 >](#)

[How we assess product sustainability >](#)



Transparency

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

**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](http://www.P65Warnings.ca.gov)

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