

# Product data sheet

## Characteristics

# CAD506BD

TeSys Deca control relay - 5 NO -  $\leq 690$  V - 24 V DC standard coil

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
Contactors application	Control circuit

### Complementary

Utilisation category	AC-14 DC-13 AC-15
Pole contact composition	5 NO
[Ue] rated operational voltage	$\leq 690$ V AC 25...400 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 60947-5-1 250 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[RETURN] 600 V CSA[RETURN] 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 U <sub>c</sub> (-40...158 °F (-40...70 °C)):drop-out DC 0.7...1.25 U <sub>c</sub> (-40...140 °F (-40...60 °C)):operational DC 1...1.25 U <sub>c</sub> (140...158 °F (60...70 °C)):operational DC
Operating time	53...72 ms coil energisation and NO closing 16...24 ms coil de-energisation and NO opening
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, 5...300 Hz IEC 60068-2-6 Vibrations control relay closed4 Gn, 5...300 Hz IEC 60068-2-6
Height	3.03 In (77 mm)
Width	1.8 In (45 mm)
Depth	3.7 In (93 mm)
Product 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[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RETURN]CE[RE- TURN]UKCA
IP degree of protection	IP2X front face VDE 0106
Protective treatment	TH IEC 60068
Ambient air temperature for operation	-40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Operating altitude	0...9842.52 ft (0...3000 m)


## Ordering and shipping details

Category	US10I1222371
Discount Schedule	0I12
GTIN	3389110847291
Returnability	No
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 In (5.0 cm)
Package 1 Width	3.35 In (8.5 cm)
Package 1 Length	4.13 In (10.5 cm)
Package 1 Weight	18.2 Oz (517.0 g)

## Environmental data

Packaging without single use plastic	Yes
Packaging made with recycled cardboard	Yes
SCIP Number	B67ac941-f42f-4afd-894a-0b6f9cefde62
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>

EU RoHS Directive	Compliant with Exemptions
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Take-back	No
Carbon footprint (kg CO2 eq, Total Life cycle)	38

### Contractual warranty

Warranty	18 months
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Product Life Status :	<b>Commercialised</b>
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