Product data sheet

Specification





TeSys Deca control relay - 3 NO + 2 NC - <= 690 V - 120 V AC standard coil

CAD323G7

Product availability: Stock - Normally stocked in distribution

Price*: 63.25 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	AC 50/60 Hz
[Uc] control circuit voltage	120 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
[lcw] 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	spring terminals 1 0.0020.004 in² (12.5 mm²)flexible without cable end spring terminals 2 0.0020.004 in² (12.5 mm²)flexible without cable end spring terminals 1 0.0020.004 in² (12.5 mm²)solid without cable end spring terminals 2 0.0020.004 in² (12.5 mm²)solid without cable end
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

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

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	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	3.9 in (99 mm)	
Width	1.8 in (45 mm)	
Depth	3.3 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	US10l1222371
Discount Schedule	0112
GTIN	3389110819595
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 in (11.4 cm)
Package 1 Width	4.1 in (10.5 cm)
Package 1 Length	2.1 in (5.4 cm)
Package 1 Weight	11.6 oz (330.0 g)

Contractual warranty

Warranty 18 months

Sustainability Green Premium

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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 >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

REACh Declaration
Compliant with Exemptions
China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
End of Life Information
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