Product data sheet

Specifications



TeSys Deca control relay - 3 NO + 2 NC - <= 690 V - 575 V AC standard coil

CAD32SC7

() Discontinued on: Oct 8, 2021

① Discontinued

Main

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

Complementary

Complementary		
Utilisation category	AC-15 AC-14 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	575 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	Rail Plate	
Connections - terminals	screw clamp terminals 1 0.0020.006 in ² (14 mm ²)flexible without cable end screw clamp terminals 2 0.0020.006 in ² (14 mm ²)flexible without cable end screw clamp terminals 1 0.0020.006 in ² (14 mm ²)flexible with cable end screw clamp terminals 2 0.0020.004 in ² (12.5 mm ²)flexible with cable end screw clamp terminals 1 0.0020.006 in ² (14 mm ²)solid without cable end screw clamp terminals 2 0.0020.006 in ² (14 mm ²)solid without cable end screw clamp terminals 2 0.0020.006 in ² (14 mm ²)solid without cable end screw clamp terminals 2 0.0020.006 in ² (14 mm ²)solid without cable end	
Tightening torque	10.6 lbf.in (1.2 N.m) screw clamp terminals Philips No 2 10.6 lbf.in (1.2 N.m) screw clamp terminals flat \varnothing 6 mm	

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

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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	
	11.1 0C 140138 F (8070 C) operational AC 50/80 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	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	1.8 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 Scheme 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	22371-RELAYS, CONTROL
Discount Schedule	112
GTIN	3389110402315
Returnability	No

Country of	origin	FR	
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Packing Units

J	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.7 in (9.4 cm)
Package 1 Width	3.2 in (8.1 cm)
Package 1 Length	2.1 in (5.4 cm)
Package 1 Weight	10.6 oz (300 g)

Contractual warranty

Warranty

18 months

Sustainability Screen 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



Rohs Exemption Information

Certifications & Standards

Eu Rohs Directive	Compliant	
	EU RoHS Declaration	
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	