

Product data sheet

Specifications



TeSys Deca control relay - 3 NO + 2 NC - <= 690 V - 220 V AC standard coil

CAD32M7

Product availability: Stock - Normally stocked in distribution facility

Main

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

Complementary

Utilisation category	DC-13 AC-14 AC-15
Pole contact composition	3 NO + 2 NC
[Ue] rated operational voltage	<= 690 V AC 25...400 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	220 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	Plate Rail
Connections - terminals	screw clamp terminals 1 0.002...0.006 in² (1...4 mm²)flexible without cable end screw clamp terminals 2 0.002...0.006 in² (1...4 mm²)flexible without cable end screw clamp terminals 1 0.002...0.006 in² (1...4 mm²)flexible with cable end screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²)flexible with cable end screw clamp terminals 1 0.002...0.006 in² (1...4 mm²)solid without cable end screw clamp terminals 2 0.002...0.006 in² (1...4 mm²)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 Ø 6 mm 10.6 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Control circuit voltage limits	0.3...0.6 Uc (-40...158 °F (-40...70 °C));drop-out AC 50/60 Hz 0.8...1.1 Uc (-40...140 °F (-40...60 °C));operational AC 50 Hz 0.85...1.1 Uc (-40...140 °F (-40...60 °C));operational AC 60 Hz 1...1.1 Uc (140...158 °F (60...70 °C));operational AC 50/60 Hz
Operating time	12...22 ms coil energisation and NO closing 4...12 ms coil de-energisation and NO opening 4...19 ms coil energisation and NC opening 6...17 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, 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	3.3 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	-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	3389110401424
Returnability	Yes

Country of origin	FR
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 in (5.000 cm)
Package 1 Width	3.62 in (9.200 cm)
Package 1 Length	4.41 in (11.200 cm)
Package 1 Weight	12.381 oz (351.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	16.446 lb(US) (7.460 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Height	17.72 in (45.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	150.576 lb(US) (68.300 kg)

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)


[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	17
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	B67ac941-f42f-4afd-894a-0b6f9cefde62
REACH Regulation	REACH Declaration
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

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.