Product data sheet

Specifications





TeSys Deca control relay - 3 NO + 2 NC - <= 690 V - 48 V DC standard coil

CAD32ED

Product availability: Stock - 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
contactor application	Control circuit

Complementary

Complementary	
Utilisation category	DC-13
	AC-14
	AC-15
Pole contact composition	3 NO + 2 NC
[Ue] rated operational voltage	<= 690 V AC 25400 Hz
Control circuit type	DC standard
[Uc] control circuit voltage	48 V DC
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
[Ith] conventional free air thermal current	10 A (at 140.000000000 °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	100 A - 1 s
current	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 0.0020.006 in ² (14 mm ²)flexible without cable end
	screw clamp terminals 2 0.0020.006 in² (14 mm²)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
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.

Control circuit voltage limits	0.10.25 Uc -40.000000000158.000000000 °F (-4070 °C) drop-out DC 0.71.25 Uc -40.000000000140.000000000 °F (-4060 °C) operational DC 11.25 Uc 140.000000000158.000000000 °F (6070 °C) operational DC
Operating time	 5372 ms coil energisation and NO closing 1624 ms coil de-energisation and NO opening 4763 ms coil energisation and NC opening 1525 ms coil de-energisation and NC closing
Mechanical durability	30 Mcycles
Maximum operating rate	180 cyc/mn
Time constant	28 ms
Inrush power in W	5.4 W 68.000000000 °F (20 °C))
Hold-in power consumption in W	5.4 W 68.000000000 °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	3.7 in (93 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	-40.000000000140.000000000 °F (-4060 °C) 140.000000000158.0000000000 °F (6070 °C) with derating
Ambient Air Temperature for Storage	-76.000000000176.000000000 °F (-6080 °C)
Operating altitude	09842.52 ft (03000 m)

Ordering and shipping details

Category	US10I1222371
Discount Schedule	0112
GTIN	3389110404197
Returnability	Yes

Country of	origin	
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Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.969 in (5.000 cm)
Package 1 Width	3.622 in (9.200 cm)
Package 1 Length	4.409 in (11.200 cm)
Package 1 Weight	18.166 oz (515.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	17.672 lb(US) (8.016 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	120
Package 3 Height	17.717 in (45.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	160.144 lb(US) (72.640 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

Mercury Free

Rohs Exemption Information

Certifications & Standards

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