Product datasheet

Specifications

Green Premium™

TeSys D control relay - 3 NO + 2 NC - <= 690 V - 125 V DC standard coil

CAD32GD

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	DC standard
[Uc] Control Circuit Voltage	125 V DC
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
[Ith] Conventional Free Air Thermal Current	10 A (at 60 °C)
Irms Rated Making Capacity	140 A AC conforming to IEC 60947-5-1 250 A DC conforming to 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 certified 600 V CSA certified 690 V conforming to IEC 60947-5-1
Mounting Support	Rail Plate
Connections - Terminals	Screw clamp terminals 1 cable(s) 1…4 mm²flexible without cable end Screw clamp terminals 2 cable(s) 1…4 mm²flexible without cable end Screw clamp terminals 1 cable(s) 1…4 mm²flexible with cable end Screw clamp terminals 2 cable(s) 1…2.5 mm²flexible with cable end Screw clamp terminals 1 cable(s) 1…4 mm²solid without cable end Screw clamp terminals 2 cable(s) 1…4 mm²solid without cable end
Tightening Torque	1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.2 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
Control Circuit Voltage Limits	0.1...0.25 Uc (-40…70 °C):drop-out DC 0.7...1.25 Uc (-40…60 °C):operational DC 1...1.25 Uc (60…70 °C):operational DC

Operating Time	53...72 ms coil energisation and NO closing
	16...24 ms coil de-energisation and NO opening
	47...63 ms coil energisation and NC opening
	15...25 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 (at 20 °C)
Hold-In Power Consumption In W	5.4 W at 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 open: 10 Gn for 11 ms conforming to IEC 60068-2-27
	Shocks control relay closed: 15 Gn for 11 ms conforming to IEC 60068-2-27
	Vibrations control relay open: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6
	Vibrations control relay closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6
Height	77 mm
Width	45 mm
Depth	93 mm
Net Weight	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 conforming to VDE 0106
Protective Treatment	TH conforming to IEC 60068
Ambient Air Temperature For Operation	-40…60 °C
	60…70 °C with derating
Ambient Air Temperature For Storage	-60…80 °C
Operating Altitude	0...3000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5 cm
Package 1 Width	9.2 cm
Package 1 Length	11.2 cm
Package 1 Weight	497 g

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Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.784 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	240
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	142.02 kg

Contractual warranty

Warranty	18 months

Sustainability ![Green Premium]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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 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