Product datasheet

Specifications





Control relay, TeSys Deca, 3NO+2NC, 0 to 690V, 48VAC 50/60Hz standard coil, screw clamp

CAD32E7

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-15 AC-14		
Pole Contact Composition	3 NO + 2 NC		
[Ue] Rated Operational Voltage	<= 690 V AC 25400 Hz		
Control Circuit Type	AC at 50/60 Hz		
[Uc] Control Circuit Voltage	48 V AC 50/60 Hz		
[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) 14 mm²flexible without cable end Screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Screw clamp terminals 1 cable(s) 14 mm²flexible with cable end Screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end Screw clamp terminals 1 cable(s) 14 mm²solid without cable end Screw clamp terminals 2 cable(s) 14 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		

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



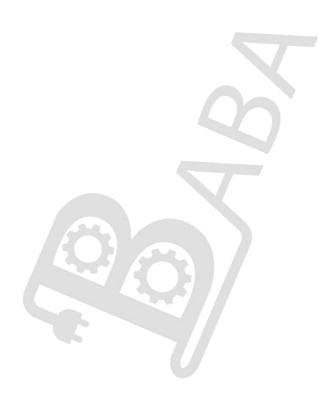
1.2 N.m - on screw clamp terminals - with screwdriver pozidriv No 2

Control Circuit Voltage Limits	0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz 0.81.1 Uc (-4060 °C):operational AC 50 Hz 0.851.1 Uc (-4060 °C):operational AC 60 Hz 11.1 Uc (6070 °C):operational AC 50/60 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 20 °C)		
Hold-In Power Consumption In Va	8 VA 50 Hz (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, 5300 Hz conforming to IEC 60068-2-6 Vibrations control relay closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6		
Height	77 mm		
Width	45 mm		
Depth	84 mm		
Net Weight Environment	0.58 kg		
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	-4060 °C 6070 °C with derating		
Ambient Air Temperature For Storage	-6080 °C		
Operating Altitude	03000 m		
Packing Units			
Unit Type Of Package 1	PCE		
Number Of Units In Package 1	1		
Package 1 Height	5.000 cm		

Package 1 Length	11.200 cm	
Package 1 Weight	357.000 g	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	20	\ /
Package 2 Height	15.000 cm	- (
Package 2 Width	30.000 cm	
Package 2 Length	40.000 cm	
Package 2 Weight	7.495 kg	
Unit Type Of Package 3	P06	
Number Of Units In Package 3	320	
Package 3 Height	75.000 cm	
Package 3 Width	60.000 cm	
Package 3 Length	80.000 cm	
Package 3 Weight	130.020 kg	

Contractual warranty

Warranty 18 months



Sustainability Green 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.

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		

