

# Control relay, TeSys Deca, 3NO+2NC, <=690V, 125 VDC standard coil, screw clamp terminals

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

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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	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	
[lcw] 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	1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
Control circuit voltage limits	0.10.25 Uc (-4070 °C):drop-out DC 0.71.25 Uc (-4060 °C):operational DC	

1...1.25 Uc (60...70 °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 (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, 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	93 mm	
Product 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	
	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1	
Standards	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE	
Standards  Product certifications	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA	
Product certifications  IP degree of protection	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106	
Product certifications  IP degree of protection  Protective treatment  Ambient air temperature for operation  Ambient air temperature for storage	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106  TH conforming to IEC 60068  -4060 °C	
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Product certifications  IP degree of protection  Protective treatment  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106  TH conforming to IEC 60068  -4060 °C 6070 °C with derating  -6080 °C	
Product certifications  IP degree of protection  Protective treatment  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  Packing Units	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106  TH conforming to IEC 60068  -4060 °C 6070 °C with derating  -6080 °C  03000 m	
Product certifications  IP degree of protection  Protective treatment  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  Packing Units  Unit Type of Package 1	GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106  TH conforming to IEC 60068  -4060 °C 6070 °C with derating  -6080 °C  03000 m	

11.2 cm

497 g

Package 1 Length

Package 1 Weight

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



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	
Total lifecycle Carbon footprint	38
Environmental Disclosure	Product Environmental Profile

### **Use Better**

<b>⊗</b> Materials and Substances	
Packaging made with recycled cardboard	Yes
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	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Product data sheet

CAD32GD

Image of product / Alternate images

**Alternative** 





