



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

CAD32M7

### Main

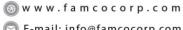
Range	TeSys TeSys Deca
Product name	TeSys CAD
Product or component type	Control relay
Device short name	CAD
Contactor application	Control circuit

## Complementary

Utilisation category	DC-13	
	AC-14	
	AC-15	
Pole contact composition	3 NO + 2 NC	
[Ue] rated operational voltage	<= 690 V AC 25400 Hz	
Control circuit type	AC at 50/60 Hz	
[Uc] control circuit voltage	220 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	
[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	Plate Rail	
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	

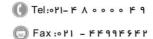
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1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2



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	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	-4060 °C 6070 °C with derating
Ambient air temperature for storage	-6080 °C
Operating altitude	03000 m

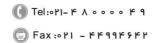
# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	9.200 cm

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Package 1 Length	11.200 cm
Package 1 Weight	351.000 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	7.460 kg
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Height	45.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	68.300 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 >

<b>⊘</b> Environmental footprint	
Total lifecycle Carbon footprint	17
Environmental Disclosure	Product Environmental Profile

### **Use Better**

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

### **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

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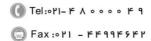




Image of product / Alternate images

### **Alternative**





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