## CAD32BD

TeSys D control relay - 3 NO + 2 NC - <= 690 V - 24 V DC standard coil



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TTT CALL	
Commercial Status	Commercialised
Range	TeSys
Product name	TeSys CAD
Product or component type	Control relay
Device short name	CAD
Contactor application	Control circuit
Utilisation category	AC-14 AC-15 DC-13
Pole contact composition	3 NO + 2 NC
[Ue] rated operational voltage	<= 690 V AC 25400 Hz
Control circuit type	DC standard
Control circuit voltage	24 V DC

## Complementary

[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947	
[lth] conventional free air thermal current	10 A at <= 60 °C	
Irms rated making capacity	250 A DC conforming to IEC 60947-5-1 140 A AC conforming to IEC 60947-5-1	
[Icw] rated short-time withstand current	140 A 100 ms 120 A 500 ms 100 A 1 s	
Associated fuse rating	10 A gG conforming to IEC 60947-5-1	
[Ui] rated insulation voltage	690 V conforming to IEC 60947-5-1 600 V certifications CSA 600 V certifications UL	
Mounting support	Plate Rail	
Connections - terminals	Screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 12.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end	
Tightening torque	1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2	
Control circuit voltage limits	0.10.25 Uc drop-out 0.71.25 Uc operational	
Operating time	1525 ms coil de-energisation and NC closing 4763 ms coil energisation and NC opening 1624 ms coil de-energisation and NO opening 5372 ms coil energisation and NO closing	
Mechanical durability	30 Mcycles	
Operating rate	180 cyc/mn	

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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	<ul><li>1.5 ms on de-energisation (between NC and NO contact)</li><li>1.5 ms on energisation (between NC and NO contact)</li></ul>	
Insulation resistance	> 10 MOhm	
Height	77 mm	
Width	45 mm	
Depth	93 mm	
Product weight	0.58 kg	

## Environment

Standards	BS 4794
	EN 60947-5
	IEC 60947-5-1
	NF C 63-140
	VDE 0660
Product certifications	CSA
	UL
IP degree of protection	IP2x front face conforming to VDE 0106
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-4070 °C
Ambient air temperature for storage	-6080 °C
Operating altitude	3000 m without derating in temperature
Mechanical robustness	Vibrations control relay closed 4 Gn, 5300 Hz IEC 60068-2-6
	Vibrations control relay open 2 Gn, 5300 Hz IEC 60068-2-6
	Shocks control relay closed 15 Gn for 11 ms IEC 60068-2-27
	Shocks control relay open 10 Gn for 11 ms IEC 60068-2-27

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0627 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

