

# Product data sheet

## Characteristics

# CAD32BL

TeSys D control relay - 3 NO + 2 NC -  $\leq$  690 V - 24 V DC low consumption coil



Product availability: Stock - Normally stocked in distribution facility

Price\*: 110.00 USD



### Main

Commercial Status	Commercialised
Range of product	TeSys D control relay
Product or component type	Control relay
Device short name	CAD
Contacteur application	Control circuit
Utilisation category	AC-14 AC-15 DC-13
Pole contact composition	3 NO + 2 NC
[Ue] rated operational voltage	$\leq$ 690 V AC 25...400 Hz
Control circuit type	DC low consumption
Control circuit voltage	24 V DC

### Complementary

[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
[Ith] conventional free air thermal current	10 A at $\leq$ 140 °F (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) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end
Tightening torque	10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver flat $\varnothing$ 6 mm 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver Philips No 2
Control circuit voltage limits	0.1...0.25 U <sub>c</sub> drop-out 0.7...1.25 U <sub>c</sub> operational

Operating time	28...42 ms coil de-energisation and NC closing 57...77 ms coil energisation and NC opening 14...25 ms coil de-energisation and NO opening 65...88 ms coil energisation and NO closing
Mechanical durability	30 Mcycles
Operating rate	180 cyc/mn
Time constant	40 ms
Inrush power in W	2.4 W at 68 °F (20 °C)
Hold-in power consumption in W	2.4 W at 68 °F (20 °C)
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non-overlap time	1.5 ms on de-energisation (between NC and NO contact) 1.5 ms on energisation (between NC and NO contact)
Insulation resistance	> 10 MOhm
Height	3.03 in (77 mm)
Width	1.77 in (45 mm)
Depth	3.66 in (93 mm)
Product weight	1.28 lb(US) (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 conforming to VDE 0106
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-40...158 °F (-40...70 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Operating altitude	9842.52 ft (3000 m) without derating in temperature
Mechanical robustness	Vibrations control relay closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations control relay open 2 Gn, 5...300 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

## Ordering and shipping details

Category	22371 - RELAYS, CONTROL
Discount Schedule	I12
GTIN	00785901407089
Nbr. of units in pkg.	1
Package weight(Lbs)	1.17
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	MX

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0627 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

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Period	18 months
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