



### Main

Range	TeSys
Product name	TeSys CAD
Product or component type	Auxiliary contactor
Device short name	CAD
Contact application	Control circuit
Utilisation category	AC-14 AC-15
Control circuit type	AC
Coil type	Standard
Suppressor technology	Without built-in
Pole contact composition	3 NO + 2 NC
[Uc] control circuit voltage	120 V AC 50/60 Hz
Connections - terminals	Screwclamp terminal 1 cable 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Screwclamp terminal 1 cable 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Screwclamp terminal 1 cable 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Screwclamp terminal 2 cable 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Screwclamp terminal 2 cable 0...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end
Quantity per set	Set of 10

### Complementary

Contact operation	Mechanically linked conforming to IEC 60947-5-1
Control circuit voltage limits	0.3...0.6 U <sub>c</sub> drop-out 0.8...1.1 U <sub>c</sub> operational 50 Hz 0.85...1.1 U <sub>c</sub> operational 60 Hz
[Ui] rated insulation voltage	600 V - certifications CSA 600 V - certifications UL 690 V - overvoltage category III (pollution degree 3) - conforming to IEC 60947-5-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Tightening torque	15.04 lbf.in (1.7 N.m) - on screwclamp terminal
System Voltage	<= 690 V AC 25...400 Hz
[Ith] conventional free air thermal current	10 A at <= 140 °F (60 °C)
I <sub>rms</sub> rated making capacity	140 A at <= 690 V AC conforming to IEC 60947-5-1
Associated fuse rating	10 A gG at <= 690 V conforming to IEC 60947-5-1
Inrush power in VA	70 VA at 68 °F (20 °C)
Hold-in power consumption in VA	8 VA at 68 °F (20 °C) 50 Hz
Operating rate	3 cyc/s at 68 °F (20 °C)
Operating time	4...19 ms coil energisation and NC opening 12...22 ms coil energisation and NO closing 4...12 ms coil de-energisation and NO opening 6...17 ms coil de-energisation and NC closing
Minimum switching current	5 mA
Minimum switching voltage	17 V
Non-overlap time	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Insulation resistance	> 10 MOhm
Height	3.03 in (77 mm)
Width	1.77 in (45 mm)

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Depth	3.39 in (86 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) at Uc 23...140 °F (-5...60 °C) at 0.8...1.1 Uc
ambient air temperature for storage	-76...176 °F (-60...80 °C)
operating altitude	9842.52 ft (3000 m) without derating in temperature
shock resistance	10 gn control relay open 15 gn control relay closed
vibration resistance	2 gn 5...300 Hz control relay open 4 gn 5...300 Hz control relay closed

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0627 - Schneider Electric declaration of conformity	Compliant - since 0627 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

## Contractual warranty

Warranty period	18 months
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