

CAD32BL

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



Main

Range of product	TeSys D control relay
Product or component type	Control relay
Device short name	CAD
Contact 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 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 ≤ 60 °C
Irms rated making capacity	140 A AC conforming to IEC 60947-5-1 250 A DC conforming to IEC 60947-5-1
[Icw] 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	690 V conforming to IEC 60947-5-1 600 V certifications UL 600 V certifications CSA
Mounting support	Plate Rail
Connections - terminals	Screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end
Tightening torque	1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.2 N.m - on screw clamp terminals - with screwdriver flat \varnothing 6 mm
Control circuit voltage limits	0.1...0.25 U _c drop-out 0.7...1.25 U _c operational
Operating time	65...88 ms coil energisation and NO closing 14...25 ms coil de-energisation and NO opening 57...77 ms coil energisation and NC opening 28...42 ms coil de-energisation and NC closing
Mechanical durability	30 Mcycles
Operating rate	180 cyc/mn
Time constant	40 ms
Inrush power in W	2.4 W at 20 °C
Hold-in power consumption in W	2.4 W at 20 °C
Minimum switching voltage	17 V
Minimum switching current	5 mA

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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	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 conforming to VDE 0106
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating in temperature
Mechanical robustness	Shocks control relay open 10 Gn for 11 ms IEC 60068-2-27 Shocks control relay closed 15 Gn for 11 ms IEC 60068-2-27 Vibrations control relay open 2 Gn, 5...300 Hz IEC 60068-2-6 Vibrations control relay closed 4 Gn, 5...300 Hz IEC 60068-2-6

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
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
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