Product data sheet
Characteristics

CAD32BD
TeSys D control relay - 3 NO + 2 NC - <= 690 V - 24 V DC standard coil

Product availability : Stock - Normally stocked in distribution facility

Price* : 112.20 USD

Main

Range	TeSys
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
System Voltage	<= 690 V AC 25...400 Hz
Control circuit type	DC standard
[Uc] control circuit voltage	24 V DC
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
[Ith] conventional free air thermal current	10 A at <= 140 °F (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) 0...0.01 in² (1...4 mm²) - cable stiffness: flexible - without cable end

	Screw clamp terminals 2 cable(s) 0...0.01 in² (1...4 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0.01 in² (1...4 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0 in² (1...2.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0...0.01 in² (1...4 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 0...0.01 in² (1...4 mm²) - cable stiffness: solid - without cable end
Tightening torque	10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver Philips No 2 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm
Control circuit voltage limits	0.1...0.25 Uc drop-out 0.7...1.25 Uc operational
Operating time	15...25 ms coil de-energisation and NC closing 53...72 ms coil energisation and NO closing 16...24 ms coil de-energisation and NO opening 47...63 ms coil energisation and NC opening
Mechanical durability	30 Mcycles
Operating rate	180 cyc/mn
Time constant	28 ms
Inrush power in W	5.4 W at 68 °F (20 °C)
Hold-in power consumption in W	5.4 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
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
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	VDE 0660 IEC 60947-5-1 NF C 63-140 BS 4794 EN 60947-5
Product certifications	UL CSA
IP degree of protection	IP2x front face 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

Ordering and shipping details

Category	22371 - RELAYS, CONTROL
Discount Schedule	I12
GTIN	00785901204817
Nbr. of units in pkg.	1
Package weight(Lbs)	1.1500000000000001
Returnability	Y
Country of origin	ID

Offer Sustainability

Sustainable offer status	Green Premium product

RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months