CAD32BL

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



Product availability: Stock - Normally stocked in distribution facility



Main	
Commercial Status	Commercialised
Range of product	TeSys D control relay
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 low consumption
Control circuit voltage	24 V DC

Complementary

Ith conventional free air thermal current	o o mpromornary	
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 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) 00.01 in² (14 mm²) - cable stiffness: solid without cable end Screw clamp terminals 1 cable(s) 00.01 in² (12.5 mm²) - cable stiffness: flexible with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible with cable end Screw clamp terminals 2 cable(s) 00 in² (14 mm²) - cable stiffness: flexible with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible without cable end Sc	[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
140 A AC conforming to IEC 60947-5-1	[lth] conventional free air thermal current	10 A at <= 140 °F (60 °C)
Associated fuse rating 10 A gG conforming to IEC 60947-5-1 [Ui] rated insulation voltage 690 V contifications CSA 600 V certifications CSA 600 V certifications UL Mounting support Plate Rail Connections - terminals Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals - with screwdriver flexible - without cable end Screw clamp terminals - with screwdriver flexible - without cable end Screw clamp terminals - with screwdriver flexible - without cable end Screw clamp terminals - with scre	Irms rated making capacity	
[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) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 00 in² (12.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals - with screwdriver flat Ø 6 mm 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm 10.62 lbf.in (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 2842 ms coil de-energisation and NC closing 5777 ms coil energisation and NC opening 1425 ms coil de-energisation and NO opening 6588 ms coil energisation end NO opening 6588 ms coil energisation end NO opening 6588 ms coil energisation end NO opening 6588 ms coil	[lcw] rated short-time withstand current	120 A 500 ms
Mounting support Plate Rail Connections - terminals Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00 in² (12.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals - with screwdriver flat Ø 6 mm 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm 10.62 lbf.in (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 2842 ms coil de-energisation and NC closing 5777 ms coil energisation and NC opening 4125 ms coil de-energisation and NO opening 6588 ms coil energisation and NO opening 6589 ms coil energisation energisa	Associated fuse rating	10 A gG conforming to IEC 60947-5-1
Rail Connections - terminals Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 00 in² (12.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp te	[Ui] rated insulation voltage	600 V certifications CSA
without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 00 in² (12.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals - with screwdriver flat Ø 6 mm 10.62 lbf.in (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 2842 ms coil de-energisation and NC closing 5777 ms coil energisation and NC opening 1425 ms coil de-energisation and NO opening 6588 ms coil energisation and NO opening 6588 ms coil energisation and NO closing Mechanical durability 30 Mcycles Operating rate 180 cyc/mn	Mounting support	
10.62 lbf.in (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 2842 ms coil de-energisation and NC closing 5777 ms coil energisation and NC opening 1425 ms coil de-energisation and NO opening 6588 ms coil energisation and NO closing Mechanical durability 30 Mcycles Operating rate 180 cyc/mn	Connections - terminals	without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: solid - without cable end Screw clamp terminals 2 cable(s) 00 in² (12.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 00.01 in² (14 mm²) - cable stiffness: flexible
Operating time 2842 ms coil de-energisation and NC closing 5777 ms coil energisation and NC opening 1425 ms coil de-energisation and NO opening 6588 ms coil energisation and NO closing Mechanical durability 30 Mcycles Operating rate 180 cyc/mn	Tightening torque	
5777 ms coil energisation and NC opening 1425 ms coil de-energisation and NO opening 6588 ms coil energisation and NO closing Mechanical durability 30 Mcycles Operating rate 180 cyc/mn	Control circuit voltage limits	
Operating rate 180 cyc/mn	Operating time	5777 ms coil energisation and NC opening 1425 ms coil de-energisation and NO opening
	Mechanical durability	30 Mcycles
Time constant 40 ms	Operating rate	180 cyc/mn
	Time constant	40 ms

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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

BS 4794
EN 60947-5
IEC 60947-5-1
NF C 63-140
VDE 0660
CSA
UL
IP2x conforming to VDE 0106
TH conforming to IEC 60068
-40158 °F (-4070 °C)
-76176 °F (-6080 °C)
9842.52 ft (3000 m) without derating in temperature
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

Ordering and shipping details

Category	22371 - RELAYS, CONTROL	
Discount Schedule	l12	
GTIN	00785901407089	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1.17	
Product availability	Stock - Normally stocked in distribution facility	
Returnability	Υ	
Country of origin	MX	

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	

