

Product data sheet

Characteristics

CAD50N7

contactor TeSys CAD-50 - 5 NO - instantaneous - 10 A - 415 V AC



Main

Range of product	TeSys D
Product or component type	Auxiliary contactor
Device short name	CAD
Contactor application	Control circuit
Utilisation category	AC-14 AC-15
Control circuit type	AC
Coil type	Standard
Suppressor technology	Without built-in
Pole contact composition	5 NO
Control circuit voltage	415 V AC 50/60 Hz
Connections - terminals	Screw-clamp terminal 1 1...4 mm ² flexible without Screw-clamp terminal 2 1...4 mm ² flexible without Screw-clamp terminal 1 1...4 mm ² flexible with Screw-clamp terminal 2 1...2,5 mm ² flexible with Screw-clamp terminal 1 1...4 mm ² solid without Screw-clamp terminal 2 1...4 mm ² solid without

Complementary

Contact operation	Mechanically linked IEC 60947-5-1
Control circuit voltage limits	0.3...0.6 Uc drop-out 0.8...1.1 Uc operational 50 Hz 0.85...1.1 Uc operational 60 Hz
[Ui] rated insulation voltage	600 V UL 600 V CSA 690 V III IEC 60947-5-1 3
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Tightening torque	1,7 N.m screw-clamp terminal
[Ue] rated operational voltage	<= 690 V AC 25...400 Hz
[Ith] conventional free air thermal current	10 A ≤ 60 °C
Irms rated making capacity	140 A <= 690 V AC IEC 60947-5-1
Permissible short-time rating	100 A 1 s 120 A 500 ms 140 A 100 ms
Associated fuse rating	10 A gG <= 690 V IEC 60947-5-1
Inrush power in VA	70 VA 20 °C 50 Hz
Hold-in power consumption in VA	8 VA 20 °C 50 Hz
Mechanical durability	30000000 cycles
Operating rate	3 cyc/s 20 °C
Operating time	4...12 ms coil de-energisation and NO opening 4...19 ms coil energisation and NC opening 6...16 ms coil de-energisation and NC closing 12...22 ms coil energisation and NO closing
Minimum switching current	5 mA
Minimum switching voltage	17 V
Non-overlap time	1,5 ms on energisation between NC and NO contacts 1,5 ms on de-energisation between NC and NO contacts
Insulation resistance	> 10 MOhm
Height	77 mm
Width	45 mm

Depth	86 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 VDE 0106
Protective treatment	TH IEC 60068
Ambient air temperature for operation	-40...70 °C at Uc -5...60 °C at 0.8...1.1 Uc
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without
Shock resistance	10 gn control relay open 15 gn control relay closed
Vibration resistance	2 gn control relay open 5...300 Hz 4 gn control relay closed 5...300 Hz
RoHS EUR conformity date	0627
RoHS EUR status	Compliant