



Principal

Gama	TeSys
Product name	TeSys CAD
Tipo de producto o componente	Control relay
Device short name	CAD
Contactor application	Control circuit

Complementos

Categoría de empleo	DC-13 AC-14 AC-15
Pole contact composition	3 NO + 2 NC
[Ue] tensión de funcionamiento nominal	≤ 690 V AC 25...400 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	220 V AC 50/60 Hz
[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
Conexiones - terminales	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 Ø 6 mm
Control circuit voltage limits	0.3...0.6 U _c drop-out 0.8...1.1 U _c operational 50 Hz 0.85...1.1 U _c operational 60 Hz
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
Mechanical durability	30 Mcycles

Operating rate	180 cyc/mn
Inrush power in VA	70 VA at 20 °C 50 Hz
Hold-in power consumption in VA	8 VA at 20 °C 50 Hz
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
Altura	77 mm
Anchura	45 mm
Profundidad	84 mm
Peso del producto	0.58 kg

Ambiente

Normas	VDE 0660 IEC 60947-5-1 NF C 63-140 BS 4794 EN 60947-5
Certificaciones de producto	UL CSA
IP degree of protection	IP2x front face conforming to VDE 0106
Protective treatment	TH conforming to IEC 60068
Temperatura ambiente de trabajo	-40...70 °C
Temperatura ambiente de almacenamiento	-60...80 °C
Operating altitude	3000 m without derating in temperature

Oferta sustentable

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
Product environmental profile	Available Perfil Medioambiental
Product end of life instructions	Available Manual De Gestión Residuos

Garantía contractual

Warranty period	18 months
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