



## Main

Range	TeSys
Product name	TeSys CAK
Product or component type	Control relay
Device short name	CA2K
Contact application	Control circuit
Utilisation category	DC-13 AC-15
Pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	$\leq 690$ V $\leq 400$ Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	400...415 V AC 50/60 Hz

## Complementary

[Ith] conventional free air thermal current	10 A at $\leq 50$ °C
Irms rated making capacity	110 A conforming to IEC 60947
Associated fuse rating	10 A gG conforming to IEC 60947 10 A gG conforming to VDE 0660
[Ui] rated insulation voltage	600 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 690 V conforming to IEC 60947 750 V conforming to VDE 0110 group C
Mounting support	Rail Plate
Connections - terminals	Spring terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> - cable stiffness: solid Spring terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end
Control circuit voltage limits	0.8...1.15 Uc at 50 °C operational 0.2...0.75 Uc at 50 °C drop-out
Operating time	10...20 ms coil de-energisation and NO opening 5...15 ms coil energisation and NC opening 10...20 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing
Mechanical durability	10 Mcycles
Operating rate	10000 cyc/h
Immunity to microbreaks	2 ms

Inrush power in VA	30 VA at 20 °C
Hold-in power consumption in VA	4.5 VA at 20 °C
Heat dissipation	1.3 W
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non overlap distance	0.5 mm
Insulation resistance	> 10 MOhm
Height	58 mm
Width	45 mm
Depth	57 mm
Product weight	0.18 kg

## Environment

Standards	BS 5424 IEC 60947 VDE 0660 NF C 63-140
Product certifications	CSA UL
Protective treatment	TC conforming to IEC 60068
Ambient air temperature for operation	-25...50 °C
Ambient air temperature for storage	-50...80 °C
Operating altitude	2000 m without derating
Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
Mechanical robustness	Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6 Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27

## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0644 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Warranty period	18 months
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