

Product data sheet

Specifications



Control relay, TeSys K, 2NO+2NC, <= 690V AC 10A, 480V AC coil

CA2KN22T7

Main

Range	TeSys
Product name	TeSys CAK
Product or component type	Control relay
Device short name	CA2K
Contactor application	Control circuit
Utilisation category	AC-15
Control circuit type	AC
Coil type	Standard
Coil technology	Without integral suppression device
Pole contact composition	2 NO + 2 NC
[Uc] control circuit voltage	480 V AC 50/60 Hz
Connections - terminals	1 x 0.34...1.5 mm ² flexible with cable end 1 x 0.34...2.5 mm ² flexible with cable end 1 x 0.75 mm ² flexible without cable end 1 x 1.5 mm ² solid 2 x 4 mm ² flexible without cable end 2 x 4 mm ² solid

Complementary

Control circuit voltage limits	Drop-out: <= 0.2 Uc at 50/60 Hz (at <50 °C) Operational: 0.8...1.15 Uc at 50/60 Hz (at <50 °C)
[Ui] rated insulation voltage	690 V - conforming to BS 5424 690 V - conforming to IEC 60947 750 V - conforming to VDE 0110 group C 600 V - conforming to CSA C22.2 No 14
Flame retardance	Class C2 conforming to NF F 16-101 Class C2 conforming to NF F 16-102 V1 conforming to UL 94
Tightening torque	0.8...1.3 N.m - on screw clamp terminals - cable 1.5...4 mm ² - with screwdriver Philips M6
[Ue] rated operational voltage	<= 690 V AC <= 400 Hz
[Ith] conventional free air thermal current	10 A (at 50 °C)
Associated fuse rating	10 A gG at <= 690 V conforming to IEC 60947 10 A gG at <= 690 V conforming to VDE 0660
Inrush power in VA	30 VA (at 20 °C)
Hold-in power consumption in VA	4.5 VA (at 20 °C)
Mechanical durability	10000000 cycles

Maximum operating rate	10000 cyc/h 20 °C
Operating time	10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing 5...15 ms coil energisation and NC opening
minimum switching current	5 mA
Minimum switching voltage	17 V
Non-overlap time	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Non overlap distance	0.5 m
Insulation resistance	> 10 MΩ
Height	58 mm
Width	45 mm
Depth	57 mm
Net weight	0.18 kg

Environment

Standards	EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No. 60947-5-1 JIS C8201-5-1
Product certifications	UL CSA UKCA
IP degree of protection	IP2X conforming to VDE 0106
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
Shock resistance	10 gn control relay open 15 gn control relay closed
Vibration resistance	2 gn 5...300 Hz control relay open 4 gn 5...300 Hz control relay closed
Heat dissipation	1.3 W at 50/60 Hz
Immunity to microbreaks	2 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.6 cm
Package 1 Width	4.8 cm
Package 1 Length	6.2 cm
Package 1 Weight	180.0 g

Contractual warranty

Warranty	18 months
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Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint	58
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Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	Yes
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EU RoHS Directive	Compliant
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REACH Regulation	REACH Declaration
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California proposition 65

WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
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Take-back	No
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WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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