

# Product data sheet

Specifications



## Control relay, TeSys K, 2 NO + 2 NC, It or eq to 690V, 230 to 240VAC coil

CA2KN22U7

Product availability: Stock - Normally stocked in distribution facility

Price\*: 36.20 USD

### Main

Range	TeSys
Product Name	TeSys CAK
Product Or Component Type	Control relay
Device Short Name	CA2K
Contactors Application	Control circuit
Utilisation Category	DC-13 AC-15
Pole Contact Composition	2 NO + 2 NC
[Ue] Rated Operational Voltage	<= 690 V <= 400 Hz
Control Circuit Type	AC 50/60 Hz
[Uc] Control Circuit Voltage	230...240 V AC 50/60 Hz

### Complementary

[Ith] Conventional Free Air Thermal Current	10 A (at 122 °F (50 °C))
Irms Rated Making Capacity	110 A IEC 60947
Associated Fuse Rating	10 A gG conforming to IEC 60947 10 A gG conforming to VDE 0660
[Ui] Rated Insulation Voltage	690 V IEC 60947 750 V VDE 0110 group C 690 V BS 5424 600 V CSA C22.2 No 14
Mounting Support	Plate Rail
Connections - Terminals	screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible with cable end screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible without cable end screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> )flexible with cable end screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> )flexible without cable end
Tightening Torque	11.51 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm 11.51 lbf.in (1.3 N.m) screw clamp terminals Philips No 2 0.24 in (6 mm) 11.51 lbf.in (1.3 N.m) screw clamp terminals pozidriv No 2
Control Circuit Voltage Limits	Drop-out: 0.2...0.75 U <sub>c</sub> (at <122 °F (50 °C)) Operational: 0.8...1.15 U <sub>c</sub> (at <122 °F (50 °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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Mechanical Durability</b>	10 Mcycles
<b>Maximum Operating Rate</b>	10000 cyc/h
<b>Immunity To Microbreaks</b>	2 ms
<b>Inrush Power In Va</b>	30 VA (at 68 °F (20 °C))
<b>Hold-In Power Consumption In Va</b>	4.5 VA (at 68 °F (20 °C))
<b>Heat Dissipation</b>	1.3 W
<b>Minimum Switching Voltage</b>	17 V
<b>Minimum Switching Current</b>	5 mA
<b>Non Overlap Distance</b>	0.02 in (0.5 mm)
<b>Insulation Resistance</b>	> 10 MOhm
<b>Height</b>	2.28 in (58 mm)
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	2.24 in (57 mm)
<b>Net Weight</b>	0.40 lb(US) (0.18 kg)

## Environment

<b>Standards</b>	EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1
<b>Product Certifications</b>	CB Scheme CCC UL CSA EAC CE UKCA
<b>Ip Degree Of Protection</b>	IP2X
<b>Protective Treatment</b>	TC IEC 60068
<b>Ambient Air Temperature For Operation</b>	-13...122 °F (-25...50 °C)
<b>Ambient Air Temperature For Storage</b>	-58...176 °F (-50...80 °C)
<b>Operating Altitude</b>	6561.68 ft (2000 m) without derating
<b>Flame Retardance</b>	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
<b>Mechanical Robustness</b>	Vibrations contactor open2 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor closed4 Gn, 5...300 Hz IEC 60068-2-6 Shocks contactor open10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed15 Gn for 11 ms IEC 60068-2-27

## Ordering and shipping details

<b>Category</b>	US10I1222371
<b>Discount Schedule</b>	0112
<b>Gtin</b>	3389110481372
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	ID

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.56 in (6.500 cm)
<b>Package 1 Width</b>	2.44 in (6.200 cm)
<b>Package 1 Length</b>	1.89 in (4.800 cm)
<b>Package 1 Weight</b>	6.24 oz (177.000 g)
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	50
<b>Package 2 Height</b>	5.91 in (15.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	20.41 lb(US) (9.256 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

**Reach Regulation**

[REACH Declaration](#)

**Eu Rohs Directive**

Compliant

[EU RoHS Declaration](#)

**China Rohs Regulation**

[China RoHS declaration](#)

Pro-active China RoHS declaration (out of China RoHS legal scope)

**Environmental Disclosure**

[Product Environmental Profile](#)

**Weee**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

**Circularity Profile**

[End of Life Information](#)

**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](http://www.P65Warnings.ca.gov)