## Product data sheet

Specifications





# Control relay, TeSys K, 2 NO + 2 NC, It or eq to 690V, 110VAC coil

CA2KN22F72

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Price\*: 45.90 USD

#### 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 DC-13
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	110 V AC 50/60 Hz

### Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
[Ith] conventional free air thermal current	10 A (at 122.000000000 °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	Rail Plate
Connections - terminals	screw clamp terminals 1 0.0020.006 in <sup>2</sup> (1.54 mm <sup>2</sup> )solid screw clamp terminals 2 0.0020.006 in <sup>2</sup> (1.54 mm <sup>2</sup> )solid screw clamp terminals 1 0.0010.006 in <sup>2</sup> (0.754 mm <sup>2</sup> )flexible with cable end screw clamp terminals 2 0.0010.006 in <sup>2</sup> (0.754 mm <sup>2</sup> )flexible without cable end screw clamp terminals 1 0.00050.002 in <sup>2</sup> (0.341.5 mm <sup>2</sup> )flexible with cable end screw clamp terminals 2 0.00050.002 in <sup>2</sup> (0.341.5 mm <sup>2</sup> )flexible without cable end
Tightening torque	11.5 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm 11.5 lbf.in (1.3 N.m) screw clamp terminals Philips No 2 0.2 in (6 mm) 11.5 lbf.in (1.3 N.m) screw clamp terminals pozidriv No 2
Control circuit voltage limits	Drop-out: 0.20.75 Uc (at <122.000000000 °F (50 °C)) Operational: 0.81.15 Uc (at <122.0000000000 °F (50 °C))
Operating time	1020 ms coil de-energisation and NO opening 1020 ms coil energisation and NO closing 1525 ms coil de-energisation and NC closing 515 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.

Mechanical durability	10 Mcycles
Maximum operating rate	10000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in VA	30 VA (at 68.000000000 °F (20 °C))
Hold-in power consumption in VA	4.5 VA (at 68.000000000 °F (20 °C))
Heat dissipation	1.3 W
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non overlap distance	0.02 in (0.5 mm)
Insulation resistance	> 10 MOhm
Height	2.3 in (58 mm)
Width	1.8 in (45 mm)
Depth	2.2 in (57 mm)
Net Weight	0.40 lb(US) (0.18 kg)

## Environment

Standards	EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1
Product Certifications	CB Scheme CCC UL CSA EAC CE UKCA
IP degree of protection	IP2X
Protective treatment	TC IEC 60068
Ambient Air Temperature for Operation	-13122 °F (-2550 °C)
Ambient Air Temperature for Storage	-58176 °F (-5080 °C)
Operating altitude	6561.68 ft (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 open2 Gn, 5300 Hz IEC 60068-2-6 Vibrations contactor closed4 Gn, 5300 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

Category	US10I1222371
Discount Schedule	0112
GTIN	3389110481280
Returnability	No
Country of origin	FR

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.559 in (6.500 cm)
Package 1 Width	2.559 in (6.500 cm)
Package 1 Length	1.969 in (5.000 cm)
Package 1 Weight	6.420 oz (182.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	20.679 lb(US) (9.380 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	800
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	352.916 lb(US) (160.080 kg)

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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**

specific waste
timony oxide & cancer. For
timony