# **Product data sheet**

Specification





# Control relay, TeSys K, 2 NO + 2 NC, It or eq to 690V, 24VAC coil

CA2KN22B72

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	24 V AC 50/60 Hz	

### Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor	
[Ith] conventional free air thermal current	10 A (at 122.0000000000 °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 0.0020.006 in² (1.54 mm²)solid screw clamp terminals 2 0.0020.006 in² (1.54 mm²)solid screw clamp terminals 1 0.0010.006 in² (0.754 mm²)flexible with cable end screw clamp terminals 2 0.0010.006 in² (0.754 mm²)flexible without cable end screw clamp terminals 1 0.00050.002 in² (0.341.5 mm²)flexible with cable end screw clamp terminals 2 0.00050.002 in² (0.341.5 mm²)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	it voltage limits Drop-out: 0.20.75 Uc (at <122.00000000000 °F (50 °C)) Operational: 0.81.15 Uc (at <122.00000000000 °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 68.0000000000 °F (20 °C))	
Hold-in power consumption in VA	4.5 VA (at 68.0000000000 °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	
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	me 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	3389110481235	
Returnability	No	
Country of origin	FR	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	2.4 in (6.2 cm)
Package 1 Length	1.9 in (4.8 cm)
Package 1 Weight	6.5 oz (184.0 q)

## **Contractual warranty**

Warranty 18 months

## Sustainability Green 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.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Well-being performance

<b>Ø</b>	Reach Free Of Svhc	
<b>⊘</b>	Toxic Heavy Metal Free	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	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"

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