Specifications





# Control relay, TeSys K, 3 NO + 1 NC, It or eq to 690V, 24VDC low consumption coil

CA4KN313BW3

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

### Price\*: 65.30 USD

### Main

Range	TeSys
Product name	TeSys CAK
Product or Component Type	Control relay
Device short name	CA4K
contactor application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	3 NO + 1 NC
[Ue] rated operational voltage	<= 690 V <= 400 Hz
Control circuit type	DC low consumption
[Uc] control circuit voltage	24 V DC

### Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
[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	Rail Plate
Connections - terminals	spring terminals 1 0.0010.002 in <sup>2</sup> (0.751.5 mm <sup>2</sup> )solid spring terminals 1 0.0010.002 in <sup>2</sup> (0.751.5 mm <sup>2</sup> )flexible without cable end
Control circuit voltage limits	Drop-out: 0.10.75 Uc (at <122 °F (50 °C)) Operational: 0.71.3 Uc (at <122 °F (50 °C))
Operating time	1020 ms coil de-energisation and NO opening 1525 ms coil de-energisation and NC closing 3040 ms coil energisation and NO closing 2535 ms coil energisation and NC opening
Mechanical durability	30 Mcycles
Maximum operating rate	6000 cyc/h
Immunity to microbreaks	2 ms

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

Inrush power in W	1.8 W 68 °F (20 °C))
Hold-in power consumption in W	1.8 W 68 °F (20 °C)
Heat dissipation	1.8 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	0.518 lb(US) (0.235 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
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	3389110241839
Returnability	No
Country of origin	ID

## **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	1.890 in (4.800 cm)

Package 1 Length	2.441 in (6.200 cm)
Package 1 Weight	7.866 oz (223.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
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	20.715 lb(US) (9.396 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

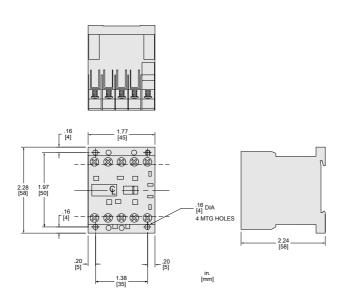
### **Certifications & Standards**

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

## **Product data sheet**

### **Technical Illustration**

### Dimensions



ALL DIMENSIONS ARE APPROXIMATE. ALSO SEE TECHNICAL DRAWINGS AND DOCUMENTATION.