

Product data sheet

Specifications



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

CA3KN225BD3

⚠ Discontinued on: Jul 12, 2021

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Main

Range	TeSys
Product Name	TeSys CAK
Product Or Component Type	Control relay
Device Short Name	CA3K
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	DC standard
[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	Plate Rail
Connections - Terminals	solder pins 1.5 x 0.9 mm
Control Circuit Voltage Limits	Operational: 0.8...1.15 Uc (at <122 °F (50 °C)) Drop-out: 0.1...0.75 Uc (at <122 °F (50 °C))
Operating Time	10 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing 15 ms coil de-energisation and NC closing 25...35 ms coil energisation and NC opening
Mechanical Durability	20 Mcycles
Maximum Operating Rate	10000 cyc/h
Immunity To Microbreaks	2 ms
Inrush Power In W	3 W 68 °F (20 °C))

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

Hold-In Power Consumption In W	3 W 68 °F (20 °C)
Heat Dissipation	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	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.24 in (57 mm)
Net Weight	0.56 lb(US) (0.255 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	-13...122 °F (-25...50 °C)
Ambient Air Temperature For Storage	-58...176 °F (-50...80 °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, 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

Category	22371-RELAYS, CONTROL
Discount Schedule	I12
Gtin	3389110484052
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.89 in (4.8 cm)
Package 1 Width	2.44 in (6.2 cm)

Package 1 Length	2.60 in (6.6 cm)
Package 1 Weight	8.99 oz (255 g)

Contractual warranty

Warranty	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-CO₂ 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

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