

Product datasheet

Specifications



TeSys K control relay - 3 NO + 1 NC - ≤ 690 V - 24 V DC standard coil

CA3KN313BD

EAN Code: 3389110241778

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	3 NO + 1 NC
[Ue] Rated Operational Voltage	≤ 690 V ≤ 400 Hz
Control Circuit Type	DC standard
[Uc] Control Circuit Voltage	24 V DC

Complementary

[Ith] Conventional Free Air Thermal Current	10 A (at 50 °C)
Irms Rated Making Capacity	110 A conforming to 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 conforming to IEC 60947 750 V conforming to VDE 0110 group C 690 V conforming to BS 5424 600 V conforming to CSA C22.2 No 14
Mounting Support	Plate Rail
Connections - Terminals	Spring terminals 1 cable(s) 0.75...1.5 mm ² solid Spring terminals 1 cable(s) 0.75...1.5 mm ² flexible without cable end
Control Circuit Voltage Limits	Operational: 0.8...1.15 U _c (at ≤ 50 °C) Drop-out: 0.1...0.75 U _c (at ≤ 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 (at 20 °C)
Hold-In Power Consumption In W	3 W at 20 °C

Heat Dissipation	3 W
Minimum Switching Voltage	17 V
Minimum Switching Current	5 mA
Non Overlap Distance	0.5 mm
Insulation Resistance	> 10 MOhm
Height	58 mm
Width	45 mm
Depth	57 mm
Net Weight	0.225 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 conforming to IEC 60068
Ambient Air Temperature For Operation	-25...50 °C
Ambient Air Temperature For Storage	-50...80 °C
Operating Altitude	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 open: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations contactor closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks contactor open: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed: 15 Gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	6.2 cm
Package 1 Length	6.5 cm
Package 1 Weight	224.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	40
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.3 kg

Contractual warranty

Warranty

18 months

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

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](#)