



TeSys K control relay , 2 NO + 2 NC , <= 690 V , 250 V DC standard coil

CA3KN22UD

Discontinued on: Oct 5, 2021

(!) Discontinued

Main

Range	TeSys	
Product name	TeSys CAK	
Product or component type	Control relay	
Device short name	САЗК	
contactor 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	control circuit voltage 250 V DC	

Complementary

[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	Operational: 0.81.15 Uc (at <122.0000000000 °F (50 °C)) Drop-out: 0.10.75 Uc (at <122.0000000000 °F (50 °C))
Operating time	10 ms coil de-energisation and NO opening 3040 ms coil energisation and NO closing 15 ms coil de-energisation and NC closing 2535 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 68.0000000000 °F (20 °C))	
Hold-in power consumption in W	3 W 68.0000000000 °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	2.3 in (58 mm)	
Width	1.8 in (45 mm)	
Depth	2.2 in (57 mm)	
Net weight	0.496 lb(US) (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	
IP degree of protection	IP2X	
Protective treatment	TC IEC 60068	
Ambient air temperature for operation	-13.0000000000122.0000000000 °F (-2550 °C)	
ambient air temperature for storage	-58.0000000000176.00000000000 °F (-5080 °C)	
Operating altitude	ting altitude 2000 m without derating	
Flame retardance	e retardance V1 UL 94 Requirement 2 NF F 16-101 Requirement 2 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	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.9 in (4.8 cm)
Package 1 Width	2.4 in (6.2 cm)
Package 1 Length	2.6 in (6.6 cm)
Package 1 Weight	7.9 oz (225 g)

Contractual warranty

Warranty

Jul 18, 2024

18 months



Green PremiumTM **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-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	
9	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