Product data sheet

Specification





Control relay, TeSys K, 4 NO, It or eq to 690V, 110VAC coil

CA2KN40F7

Product availability: Stock - Normally stocked in distribution facility

Price*: 36.20 USD

Main

Range	TeSys	
Product Name	TeSys CAK	
Product Or Component Type	Control relay	
Device Short Name	CA2K	
Contactor Application	Control circuit	
Utilisation Category	DC-13 AC-15	
Pole Contact Composition	4 NO	
[Ue] Rated Operational Voltage	<= 690 V <= 400 Hz	
Control Circuit Type	AC 50/60 Hz	
[Uc] Control Circuit Voltage	110 V AC 50/60 Hz	

Complementary

[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	screw clamp terminals 1 0.000.01 in² (1.54 mm²)solid screw clamp terminals 2 0.000.01 in² (1.54 mm²)solid screw clamp terminals 1 0.000.01 in² (0.754 mm²)flexible with cable end screw clamp terminals 2 0.000.01 in² (0.754 mm²)flexible without cable end screw clamp terminals 1 0.000.00 in² (0.341.5 mm²)flexible with cable end screw clamp terminals 2 0.000.00 in² (0.341.5 mm²)flexible without cable end
Tightening Torque	11.51 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm 11.51 lbf.in (1.3 N.m) screw clamp terminals Philips No 2 0.24 in (6 mm) 11.51 lbf.in (1.3 N.m) screw clamp terminals pozidriv No 2
Control Circuit Voltage Limits	Drop-out: 0.20.75 Uc (at <122 °F (50 °C)) Operational: 0.81.15 Uc (at <122 °F (50 °C))
Operating Time	1020 ms coil de-energisation and NO opening 1020 ms coil energisation and NO closing
Mechanical Durability	10 Mcycles
Maximum Operating Rate	10000 cyc/h

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

Immunity To Microbreaks	2 ms	
Inrush Power In Va	30 VA (at 68 °F (20 °C))	
Hold-In Power Consumption In Va	4.5 VA (at 68 °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	2.28 in (58 mm)	
Width	1.77 in (45 mm)	
Depth	2.24 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	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	edule 0112	
Gtin	3389110428391	
Returnability	Yes	
Country Of Origin	ID	

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	2.48 in (6.3 cm)
Package 1 Length	2.60 in (6.6 cm)
Package 1 Weight	6.31 oz (179.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	20.44 lb(US) (9.271 kg)

Contractual warranty

Warranty 18 months

Sustainability Green Premium

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

②	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
②	Rohs Exemption Information	Yes

Certifications & Standards

REACh Declaration
Compliant
EU RoHS Declaration
China RoHS declaration
Pro-active China RoHS declaration (out of China RoHS legal scope)
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
End of Life Information
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