

Product data sheet

Specifications



Control relay, TeSys K, 4 NO, It or eq to 690V, 48VDC standard coil

CA3KN405ED3

⚠ Discontinued

Main

Range	TeSys
Product Name	TeSys CAK
Product Or Component Type	Control relay
Device Short Name	CA3K
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	DC standard
[Uc] Control Circuit Voltage	48 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
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))
Hold-In Power Consumption 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.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	3389110484892
Returnability	No

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty	18 months
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