Product data sheet
Characteristics

CA2KN22P72
TeSys K control relay - 2 NO + 2 NC - <= 690 V - 230 V AC coil

Product availability : Non-Stock - Not normally stocked in distribution facility

Green Premium™

Price* : 45.90 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	2 NO + 2 NC
[Ue] rated operational voltage	<= 690 V <= 400 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
[Ith] conventional free air thermal current	10 A 122 °F (50 °C)
Irms rated making capacity	110 A IEC 60947
Associated fuse rating	10 A gG IEC 60947 10 A gG 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 0.00…0.01 in² (1.5…4 mm²)solid screw clamp terminals 2 0.00…0.01 in² (1.5…4 mm²)solid screw clamp terminals 1 0.00…0.01 in² (0.75…4 mm²)flexible with cable end

* 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

	screw clamp terminals 2 0.00…0.01 in² (0.75…4 mm²)flexible without cable end screw clamp terminals 1 0.00…0.00 in² (0.34…1.5 mm²)flexible with cable end screw clamp terminals 2 0.00…0.00 in² (0.34…1.5 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)
Control circuit voltage limits	Drop-out 0.2...0.75 Uc 122 °F (50 °C)) Operational 0.8...1.15 Uc 122 °F (50 °C))
Operating time	10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing 5...15 ms coil energisation and NC opening
Mechanical durability	10 Mcycles
Maximum operating rate	10000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in VA	30 VA 68 °F (20 °C))
Hold-in power consumption in VA	4.5 VA 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	BS 5424 IEC 60947 NF C 63-140 VDE 0660
Product certifications	UL CSA
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	03389110120646
Nbr. of units in pkg.	1
Package weight(Lbs)	6.38 oz (181 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE

Package 1 Height	1.89 in (4.8 cm)
Package 1 width	2.44 in (6.2 cm)
Package 1 Length	2.56 in (6.5 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Weight	20.55 lb(US) (9.322 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months