



## Main

Range	TeSys
Product name	TeSys CAK
Product or Component Type	Control relay
Device short name	CA2K
Contactor application	Control circuit
Utilisation category	AC-15
Control circuit type	AC
Coil type	Standard
Coil technology	Without integral suppression device
Pole contact composition	2 NO + 2 NC
[Uc] control circuit voltage	480 V AC 50/60 Hz
Connections - terminals	1 x 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> )flexible with cable end 1 x 0.00...0.00 in <sup>2</sup> (0.34...2.5 mm <sup>2</sup> )flexible with cable end 1 x 0.00 in <sup>2</sup> (0.75 mm <sup>2</sup> )flexible without cable end 1 x 0.00 in <sup>2</sup> (1.5 mm <sup>2</sup> )solid 2 x 0.01 in <sup>2</sup> (4 mm <sup>2</sup> )flexible without cable end 2 x 0.01 in <sup>2</sup> (4 mm <sup>2</sup> )solid

## Complementary

Control circuit voltage limits	Drop-out $\leq 0.2 U_c$ 50/60 Hz 122 °F (50 °C) Operational 0.8...1.15 $U_c$ 50/60 Hz 122 °F (50 °C)
[Ui] rated insulation voltage	690 V BS 5424 690 V IEC 60947 750 V VDE 0110 group C 600 V CSA C22.2 No 14
Flame retardance	Class C2 conforming to NF F 16-101 Class C2 conforming to NF F 16-102 V1 conforming to UL 94
Tightening torque	7.08...11.51 lbf.in (0.8...1.3 N.m) screw clamp terminals 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> ) Philips M6
[Ue] rated operational voltage	$\leq 690$ V AC $\leq 400$ Hz
[Ith] conventional free air thermal current	10 A 122 °F (50 °C)
Associated fuse rating	10 A gG $\leq 690$ V IEC 60947 10 A gG $\leq 690$ V VDE 0660
Inrush power in VA	30 VA 68 °F (20 °C))
Hold-in power consumption in VA	4.5 VA 68 °F (20 °C))
Mechanical durability	10000000 cycles
Maximum operating rate	10000 cyc/h 68 °F (20 °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
Minimum switching current	5 mA
Minimum switching voltage	17 V
Non-overlap time	1.5 Ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Non overlap distance	1.64 ft (0.5 m)
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	VDE 0660 NF C 63-140 IEC 60947 BS 5424
Product Certifications	UL CSA UKCA
IP degree of protection	IP2x conforming to VDE 0106
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
Shock resistance	10 gn control relay open 15 gn control relay closed
Vibration resistance	2 gn 5...300 Hz control relay open 4 gn 5...300 Hz control relay closed
Heat dissipation	1.3 W 50/60 Hz
Immunity to microbreaks	2 ms

## Ordering and shipping details

Category	22371-RELAYS, CONTROL
Discount Schedule	I12
GTIN	3389110787139
Nbr. of units in pkg.	1
Package weight(Lbs)	6.35 oz (180.0 g)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.60 in (6.6 cm)
Package 1 width	1.89 in (4.8 cm)
Package 1 Length	2.44 in (6.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	1
Package 2 Weight	22.40 oz (635.0 g)
Package 2 Height	5.91 in (15.0 cm)
Package 2 width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes

RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
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
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