



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 ² (0.34...1.5 mm ²)flexible with cable end 1 x 0.00...0.00 in ² (0.34...2.5 mm ²)flexible with cable end 1 x 0.00 in ² (0.75 mm ²)flexible without cable end 1 x 0.00 in ² (1.5 mm ²)solid 2 x 0.01 in ² (4 mm ²)flexible without cable end 2 x 0.01 in ² (4 mm ²)solid

Complementary

Control circuit voltage limits	Drop-out: <= 0.2 Uc at 50/60 Hz (at <122 °F (50 °C)) Operational: 0.8...1.15 Uc at 50/60 Hz (at <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 ² (1.5...4 mm ²) Philips M6
[Ue] rated operational voltage	<= 690 V AC <= 400 Hz
[Ith] conventional free air thermal current	10 A (at 122 °F (50 °C))
Associated fuse rating	10 A gG <= 690 V IEC 60947 10 A gG <= 690 V VDE 0660
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))
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[RETURN]CSA[RETURN]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
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
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)
Package 1 Weight	6.35 oz (180.0 g)

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
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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
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