Product data sheet
Characteristics

CA4KN22JW3
TeSys K control relay - 2 NO + 2 NC - <= 690 V - 12 V DC low consumption coil

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

Price*: 64.00 USD

Main

Commercial Status	Commercialised
Range	TeSys
Product name	TeSys CAK
Product or component type	Control relay
Device short name	CA4K
Contactor application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	2 NO + 2 NC
System Voltage	<= 690 V <= 400 Hz
Control circuit type	DC low consumption
Control circuit voltage	12 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 conforming to IEC 60947
Associated fuse rating	10 A gG conforming to VDE 0660 10 A gG conforming to IEC 60947
[Ui] rated insulation voltage	600 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 750 V conforming to VDE 0110 group C 690 V conforming to IEC 60947
Mounting support	Plate Rail
Connections - terminals	Screw clamp terminals 2 cable(s) 0...0 in² (0.34...1.5 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0 in² (0.34...1.5 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in² (0.75...4 mm²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0.01 in² (0.75...4 mm²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in² (1.5...4 mm²) - cable stiffness: solid Screw clamp terminals 1 cable(s) 0...0.01 in² (1.5...4 mm²) - cable stiffness: solid
Tightening torque	11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver Philips No 2 0.24 in (6 mm) 11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm
Control circuit voltage limits	0.7...1.3 Uc at 122 °F (50 °C) operational 0.1...0.75 Uc at 122 °F (50 °C) drop-out
Operating time	25...35 ms coil energisation and NC opening 30...40 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing 10...20 ms coil de-energisation and NO opening

Mechanical durability	30 Mcycles
Operating rate	6000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in W	1.8 W at 68 °F (20 °C)
Hold-in power consumption in W	1.8 W at 68 °F (20 °C)
Heat dissipation	1.8 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)
Product weight	0.52 lb(US) (0.235 kg)

Environment

Standards	BS 5424 IEC 60947 NF C 63-140 VDE 0660
Product certifications	CSA UL
IP degree of protection	IP2x
Protective treatment	TC conforming to 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 in temperature
Flame retardance	Requirement 2 conforming to NF F 16-102 Requirement 2 conforming to NF F 16-101 V1 conforming to UL 94
Mechanical robustness	Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6

Ordering and shipping details

Category	22371 - RELAYS, CONTROL
Discount Schedule	I12
GTIN	00785901776352
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0825 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months