

# CA4KN40BW3

TeSys K control relay - 4 NO - <= 690 V - 24 V  
DC low consumption coil



Product availability: Stock - Normally stocked in distribution facility



## Main

Commercial Status	Commercialised
Range of product	TeSys K control relay
Product or component type	Control relay
Device short name	CA4K
Contactor application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	4 NO
[Ue] rated operational voltage	<= 690 V <= 400 Hz
Control circuit type	DC low consumption
Control circuit voltage	24 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 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> ) - cable stiffness: solid Screw clamp terminals 1 cable(s) 0...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> ) - cable stiffness: solid
Tightening torque	11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver Phillips 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	30...40 ms coil energisation and NO 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

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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	00785901898566
Nbr. of units in pkg.	1
Package weight(Lbs)	0.49
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	FR

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0825 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available <a href="#">Download Product Environmental</a>
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Period	18 months
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