# CA2KN22F7

TeSys K control relay - 2 NO + 2 NC - <= 690 V - 110 V AC coil





#### Main

Range of product	TeSys K control relay
Product or component type	Control relay
Device short name	CA2K
Contactor application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	<= 690 V <= 400 Hz
Control circuit type	AC 50/60 Hz
Control circuit voltage	110 V AC 50/60 Hz

#### Complementary

Complementary	
[Ith] conventional free air thermal current	10 A at <= 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 22.2 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) 0.341.5 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.341.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.754 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.754 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 1.54 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 1.54 mm² - cable stiffness: solid
Tightening torque	1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
Control circuit voltage limits	0.81.15 Uc at 50 °C operational 0.20.75 Uc at 50 °C drop-out
Operating time	515 ms coil energisation and NC opening 1525 ms coil de-energisation and NC closing 1020 ms coil energisation and NO closing 1020 ms coil de-energisation and NO opening
Mechanical durability	10 Mcycles
Operating rate	10000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in VA	30 VA at 20 °C
Hold-in power consumption in VA	4.5 VA at 20 °C
Heat dissipation	1.3 W
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non overlap distance	0.5 mm

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Insulation resistance	> 10 MOhm	
Height	58 mm	
Width	45 mm	
Depth	57 mm	
Product weight	0.18 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	-2550 °C	
Ambient air temperature for storage	-5080 °C	
Operating altitude	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, 5300 Hz IEC 60068-2-6	
	Vibrations contactor open 2 Gn, 5300 Hz IEC 60068-2-6	

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0640 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

