CA2KN22P7

TeSys K control relay - 2 NO + 2 NC - <= 690 V - 230 V AC coil





Main

Range of product	TeSys K control relay
Range	TeSys
Product name	TeSys CAK
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
[Uc] control circuit voltage	230 V AC 50/60 Hz

Complementary

Complementary		
[lth] 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 IEC 60947 10 A gG conforming to VDE 0660	
[Ui] rated insulation voltage	600 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 690 V conforming to IEC 60947 750 V conforming to VDE 0110 group C	
Mounting support	Plate Rail	
Connections - terminals	Screw clamp terminals 1 cable(s) 1.54 mm² - cable stiffness: solid Screw clamp terminals 2 cable(s) 1.54 mm² - cable stiffness: solid 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 ca- ble end Screw clamp terminals 1 cable(s) 0.341.5 mm² - cable stiffness: flexible - with- cable end Screw clamp terminals 2 cable(s) 0.341.5 mm² - cable stiffness: flexible - with- out cable end	
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 \emptyset 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	1020 ms coil de-energisation and NO opening 515 ms coil energisation and NC opening 1020 ms coil energisation and NO closing 1525 ms coil de-energisation and NC closing	
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	

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Non overlap distance	0.5 mm	
Insulation resistance	> 10 MOhm	
Height	58 mm	
Width	45 mm	
Depth	57 mm	
Product weight	0.18 kg	
Compatibility code	CA2K	

Environment

Standards	BS 5424	
	IEC 60947	
	VDE 0660	
	NF C 63-140	
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	V1 conforming to UL 94	
	Requirement 2 conforming to NF F 16-101	
	Requirement 2 conforming to NF F 16-102	
Mechanical robustness	Vibrations contactor closed 4 Gn, 5300 Hz IEC 60068-2-6	
	Vibrations contactor open 2 Gn, 5300 Hz IEC 60068-2-6	
	Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27	
	Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27	

Offer Sustainability

Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)	Compliant - since 0633 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity	
REACh	Reference not containing SVHC above the threshold	
Product environmental profile	Available	
Product end of life instructions	Available	

Contractual warranty

Warranty period 18 months

Product Life Status : Commercialised

