CA2KN22S7

TeSys; TeSys K, control relay, 2 NO + 2 NC, <= 690 V, 500 V AC coil





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 DC-13
Pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	<= 690 V <= 400 Hz
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	500 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	690 V conforming to IEC 60947 750 V conforming to VDE 0110 group C 690 V conforming to BS 5424 600 V conforming to CSA C22.2 No 14
Mounting support	Rail Plate
Connections - terminals	Screw clamp terminals 1 cable(s) 1.54 mm²solid Screw clamp terminals 2 cable(s) 1.54 mm²solid Screw clamp terminals 1 cable(s) 0.754 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm²flexible without cable end Screw clamp terminals 1 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible without cable end
Tightening torque	1.3 N.M - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 26 mm
Control circuit voltage limits	Drop-out: 0.20.75 Uc (at <50 °C) Operational: 0.81.15 Uc (at <50 °C)
Operating time	1020 ms coil de-energisation and NO opening 1020 ms coil energisation and NO closing 1525 ms coil de-energisation and NC closing 515 ms coil energisation and NC opening
Mechanical durability	10 Mcycles
Maximum operating rate	10000 cyc/h
Immunity to microbreaks	2 ms
nrush 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
Insulation resistance	> 10 MOhm
Height	58 mm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn aren in integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Width	45 mm
Depth	57 mm
Net weight	0.18 kg
Environment	
Standards	EN/IEC 60947-4-1 GB/T 14048.4 UL 60947-4-1 CSA C22.2 No 60947-4-1 JIS C8201-4-1
Product certifications	CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RETURN]CE[F
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
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 open: 2 Gn, 5300 Hz conforming to IEC 60068-2-6 Vibrations contactor closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6 Shocks contactor open: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed: 15 Gn for 11 ms conforming to IEC 60068-2-27
Unit Type of Package 1 Number of Units in Package 1	PCE 1
Package 1 Height	4.8 cm
Package 1 Width	6.2 cm
Package 1 Length	6.6 cm
	0.0 0.11
	180 g
Package 1 Weight	180 g
Package 1 Weight Offer Sustainability	
Package 1 Weight Offer Sustainability Sustainable offer status	Green Premium product Yes
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC	Green Premium product Yes
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive	Green Premium product
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free	Green Premium product Yes Compliant ED RoHS Declaration
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free Mercury free	Green Premium product Yes Compliant EU RoHS Declaration Yes Yes
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation	Green Premium product Yes Compliant EU RoHS Declaration Yes
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information	Green Premium product Yes Compliant EU RoHS Declaration Yes Yes Yes
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information Environmental Disclosure	Green Premium product Yes Compliant EU RoHS Declaration Yes Yes Yes China RoHS Declaration
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information Environmental Disclosure Circularity Profile WEEE	Green Premium product Yes Compliant E EU RoHS Declaration Yes Yes Yes China RoHS Declaration Yes Product Environmental Profile
Package 1 Weight Offer Sustainability Sustainable offer status REACh free of SVHC EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information Environmental Disclosure Circularity Profile	Green Premium product Yes Compliant EU RoHS Declaration Yes Yes Yes China RoHS Declaration Yes Product Environmental Profile End Of Life Information The product must be disposed on European Union markets following specific

18 months

Warranty