

TeSys K control relay - 3 NO + 1 NC - <= 690 V - 24 V AC coil

Local distributor code:

21095560 CA2KN31B7

EAN Code: 3389110500295

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	3 NO + 1 NC	
[Ue] rated operational voltage	<= 690 V <= 400 Hz	
Control circuit type	AC at 50/60 Hz	
[Uc] control circuit voltage	24 V AC 50/60 Hz	

Complementary

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[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 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	Plate Rail	
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 1.3 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
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
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
Insulation resistance	> 10 MOhm
Height	58 mm
Width	45 mm
Depth	57 mm
Product 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	
	CCC	
	UL	
	CSA	
	EAC	
	CE	
	UKCA	
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	
	Shocks contactor closed. 13 Girlior 11 his conforming to IEC 60006-2-27	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.6 cm
Package 1 Width	4.8 cm
Package 1 Length	6.2 cm
Package 1 Weight	178.0 g
Unit Type of Package 2	S02

Number of Units in Package 2	50
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.262 kg

Logistical informations

Country of origin FF

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

⊘ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	59
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
China RoHS Regulation	China RoHS declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No