

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

Local distributor code:

386284281 CA4KN40BW3

EAN Code: 3389110485813

Main

Range	TeSys	
product name	TeSys CAK	
Product or component type	Control relay	
Device short name	CA4K	
Contactor application	Control circuit	
Utilisation category	DC-13 AC-15	
Pole contact composition	4 NO	
[Ue] rated operational voltage	<= 690 V <= 400 Hz	
Control circuit type	DC low consumption	
[Uc] 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 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	
	1.3 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
Control circuit voltage limits	Drop-out: 0.10.75 Uc (at <50 °C)	
	Operational: 0.71.3 Uc (at <50 °C)	
Operating time	1020 ms coil de-energisation and NO opening	
	3040 ms coil energisation and NO closing	
Mechanical durability	30 Mcycles	

Maximum operating rate	6000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in W	1.8 W (at 20 °C)
Hold-in power consumption in W	1.8 W at 20 °C
Heat dissipation	1.8 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	0.235 kg

Environment

Standards	EN/IEC 60947-4-1	
Standards	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	

Packing Units

_	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.500 cm
Package 1 Width	4.800 cm
Package 1 Length	6.200 cm
Package 1 Weight	221.000 g
Unit Type of Package 2	S02

Number of Units in Package 2	40
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.210 kg
Unit Type of Package 3	P06
Number of Units in Package 3	640
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	156.580 kg

Logistical informations

Country of origin

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)	74
Environmental Disclosure	Product Environmental Profile

Use Better

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