# **Product datasheet**





## TeSys K control relay - 4 NO - <= 690 V - 12 V DC low consumption coil

CA4KN40JW3

! Discontinued on: 30-Nov-2021

! Discontinued

#### Main

Range	TeSys	
Product name	TeSys CAK	
product or component type	Control relay	
Device short name	CA4K	
contactor application	Control circuit	
Utilisation category	AC-15 DC-13	
Pole contact composition	4 NO	
[Ue] rated operational voltage	<= 690 V <= 400 Hz	
Control circuit type	DC low consumption	
[Uc] control circuit voltage	12 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	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	
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	

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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	
net weight	0.235 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

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	6.2 cm
Package 1 Length	6.6 cm
Package 1 Weight	235 g

## **Contractual warranty**

Warranty

02-Jul-2024

18 months

## Sustainability Green Premium\*

**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACh

#### Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>⊘</b>	Toxic Heavy Metal Free	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

#### **Certifications & Standards**

REACh Declaration
Compliant
EU RoHS Declaration
China RoHS declaration
Pro-active China RoHS declaration (out of China RoHS legal scope)
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
End of Life Information

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