



Control Relay, TeSys K, 4P(2NO+2NC), 690V, 24V DC coil,spring terminal

CA3KN223BD3

Main

Range	TeSys	
Product name	TeSys CAK	
product or component type	Control relay	
Device short name	CA3K	
contactor application	Control circuit	
Utilisation category	DC-13 AC-15	
Pole contact composition	nposition 2 NO + 2 NC	
[Ue] rated operational voltage	<= 690 V <= 400 Hz	
Control circuit type	DC standard	
[Uc] control circuit voltage	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	Spring terminals 1 cable(s) 0.751.5 mm²solid Spring terminals 1 cable(s) 0.751.5 mm²flexible without cable end
Control circuit voltage limits	Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.10.75 Uc (at <50 °C)
Operating time	10 ms coil de-energisation and NO opening 3040 ms coil energisation and NO closing 15 ms coil de-energisation and NC closing 2535 ms coil energisation and NC opening
Mechanical durability	20 Mcycles
Maximum operating rate	10000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in W	3 W (at 20 °C)

Hold-in power consumption in W	3 W at 20 °C	
Heat dissipation	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	
net weight	0.225 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
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	6.5 cm
Package 1 Weight	226.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Package 2 Weight

9.441 kg

Contractual warranty

Warranty

18 months



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Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

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