## CA3KN40BD3

# contactor TeSys CA3-K - 4 NO - instantaneous - 10 A - 24 V DC



#### Main Range of product TeSys k control relay Product or component Electromagnetic relay type Device short name CA3K Control circuit Contactor application Utilisation category DC-13 DC Control circuit type Coil type Standard Coil technology With integral suppression device Pole contact composi-4 NO tion Control circuit voltage 24 V DC Connections - terminals Screwclamp terminal 1 1,5 mm<sup>2</sup> solid Screwclamp terminal 2 4 mm<sup>2</sup> solid Screwclamp terminal 1 0,75 mm² flexible without Screwclamp terminal 2 4 mm² flexible without Screwclamp terminal 1 0,34...1,5 mm² flexible with Screwclamp terminal 1 0,34...2,5 mm² flexible with

#### Complementary

Complementary		
Contact operation	Mechanically linked IEC 60947-5-1	_
Control circuit voltage limits	0.81.15 Uc 50 °C operational <= 0.1 Uc 50 °C drop-out	
[Ui] rated insulation voltage	600 V CSA C22-2 No 14 690 V BS 5424 690 V IEC 60947 750 V VDE 0110 group C	
Flame retardance	V1 UL 94 Class C2 NF F 16-101 Class C2 NF F 16-102	
Tightening torque	0,81,3 N.m screwclamp terminal Philips 2 mm 0,81,3 N.m screwclamp terminal flat $\varnothing$ 6 mm	
[Ue] rated operational voltage	<= 690 V DC	-
[lth] conventional free air thermal current	10 A ≤ 50 °C	_
Irms rated making capacity	110 A DC IEC 60947	
Permissible short-time rating	80 A 1 s 90 A 500 ms 110 A 100 ms	
Associated fuse rating	10 A gG <= 690 V VDE 0660 10 A gG <= 690 V IEC 60947-5-1	
Inrush power in W	3 W 20 °C	
Hold-in power consumption in W	3 W 20 °C	
Mechanical durability	20000000 cycles	
Operating rate	10000 cyc/h 20 °C	
Operating time	10 ms coil de-energisation and NO opening 15 ms coil de-energisation and NC closing 2535 ms coil energisation and NC opening 3040 ms coil energisation and NO closing	
Minimum switching current	5 mA	
Minimum switching voltage	17 V	
Non-overlap time	1,5 ms on energisation between NC and NO contacts 1,5 ms on de-energisation between NC and NO contacts	
Non overlap distance	0,5 m	
Insulation resistance	> 10 MOhm	

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Height	58 mm
Width	45 mm
Depth	57 mm
Product weight	0,225 kg

### Environment

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Standards	BS 5424 IEC 60947 NF C 63-140 VDE 0660
Product certifications	CSA UL
IP degree of protection	IP2x VDE 0106
Protective treatment	TC IEC 60068
Ambient air temperature for operation	-2550 °C
Ambient air temperature for storage	-5080 °C
Operating altitude	2000 m without
Shock resistance	10 gn control relay open 15 gn control relay closed
Vibration resistance	2 gn control relay open 5300 Hz 4 gn control relay closed 5300 Hz
Heat dissipation	3 W
Immunity to microbreaks	2 ms
RoHS EUR conformity date	0825
RoHS EUR status	Compliant

