

H406393

## Partnumber: CA3KN40FD

Wholesalernumber: 4177170

EAN 13 code: 3389110484717

TeSys K control relay - 4 NO - <= 690 V - 110 V DC standard coil

### Technical information

#### Usage / Application

contactor application control circuit

#### Compatibility

associated fuse rating 10 A gG conforming to IEC 60947  
10 A gG conforming to VDE 0660

#### Functional

operating rate 10000 cyc/h  
non overlap distance 0.5 mm

#### Electrical

utilisation category AC-15  
DC-13  
pole contact composition 4 NO  
[Ue] rated operational voltage <= 690 V <= 400 Hz  
control circuit type DC standard  
control circuit voltage 110 V DC  
[Ith] conventional free air thermal current 10 A at <= 50 °C  
Irms rated making capacity 110 A conforming to IEC 60947  
[Ui] rated insulation voltage 690 V conforming to BS 5424  
690 V conforming to IEC 60947  
750 V conforming to VDE 0110 group C  
600 V conforming to CSA C22.2 No 14  
control circuit voltage limits 0.8...1.15 Uc at 50 °C operational  
0.1...0.75 Uc at 50 °C drop-out  
inrush power in W 3 W at 20 °C  
hold-in power consumption in W 3 W at 20 °C  
minimum switching voltage 17 V  
minimum switching current 5 mA  
insulation resistance > 10 MOhm

#### Performance

operating time 10 ms coil de-energisation and NO opening  
30...40 ms coil energisation and NO closing  
mechanical durability 20 Mcycles cycles

#### Connections

connections - terminals screw clamp terminals 1 cable(s) 1.5...4 mm<sup>2</sup> - cable stiffness: solid  
screw clamp terminals 2 cable(s) 1.5...4 mm<sup>2</sup> - cable stiffness: solid  
screw clamp terminals 2 cable(s) 0.75...4 mm<sup>2</sup> - cable stiffness: flexible - without cable end  
screw clamp terminals 1 cable(s) 0.75...4 mm<sup>2</sup> - cable stiffness: flexible - with cable end  
screw clamp terminals 1 cable(s) 0.34...1.5 mm<sup>2</sup> - cable stiffness: flexible - with cable end  
screw clamp terminals 2 cable(s) 0.34...1.5 mm<sup>2</sup> - cable stiffness: flexible - without cable end

#### Installation

mounting support plate  
rail

#### Product identification

range of product TeSys K control relay

product or component type	control relay
device short name	CA3K
<b>Physical characteristics</b>	
tightening torque	1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 6 mm
mechanical robustness	1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6 shocks contactor open 10 Gn for 11 ms IEC 60068-2-27 shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27
height	58 mm mm
width	45 mm mm
depth	57 mm mm
product weight	0.225 kg kg
<b>Environment</b>	
immunity to microbreaks	2 ms
heat dissipation	3 W
IP degree of protection	IP2x
protective treatment	TC conforming to IEC 60068
ambient air temperature for operation	-25...50 °C °C
ambient air temperature for storage	-50...80 °C °C
operating altitude	2000 m without derating in temperature
flame retardance	V1 conforming to UL 94 requirement 2 conforming to NF F 16-101 requirement 2 conforming to NF F 16-102
<b>Certifications and standards</b>	
standards	BS 5424 IEC 60947 NF C 63-140 VDE 0660
product certifications	CSA UL

### Supplier information

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