

## CA4KN40BW3

upravljački relej TeSys K-4 NO-≤ 690 V-Zavojnica  
za nisku potrošnju 24 V DC



### Glavno

|                                |                    |
|--------------------------------|--------------------|
| Range                          | TeSys              |
| Product name                   | TeSys CAK          |
| Product or component type      | Control relay      |
| Device short name              | CA4K               |
| Contactur application          | Control circuit    |
| Utilisation category           | AC-15<br>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   | 24 V DC            |

### Komplementarno

|   |  |
|---|--|
| 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<br>10 A gG conforming to VDE 0660  |
| [Ui] rated insulation voltage               | 690 V conforming to BS 5424<br>690 V conforming to IEC 60947<br>750 V conforming to VDE 0110 group C<br>600 V conforming to CSA C22.2 No 14  |
| Mounting support                            | Plate<br>Rail  |
| Connections - terminals                     | Screw clamp terminals 1 cable(s) 1.5...4 mm <sup>2</sup> - cable stiffness: solid<br>Screw clamp terminals 2 cable(s) 1.5...4 mm <sup>2</sup> - cable stiffness: solid<br>Screw clamp terminals 2 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness: flexible - without cable end<br>Screw clamp terminals 1 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness: flexible - with cable end<br>Screw clamp terminals 1 cable(s) 0.34...1.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end<br>Screw clamp terminals 2 cable(s) 0.34...1.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end |
| Tightening torque                           | 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 6 mm<br>1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm   |
| Control circuit voltage limits              | 0.7...1.3 Uc at 50 °C operational<br>0.1...0.75 Uc at 50 °C drop-out   |
| Operating time                              | 10...20 ms coil de-energisation and NO opening<br>30...40 ms coil energisation and NO closing  |
| Mechanical durability                       | 30 Mcycles   |
| 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  |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda.  
Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene.  
Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog.  
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|                |          |
|----------------|----------|
| Height         | 58 mm    |
| Width          | 45 mm    |
| Depth          | 57 mm    |
| Product weight | 0.235 kg |

## Okolina

|                                       |  |
|---------------------------------------|--|
| standards                             | BS 5424<br>IEC 60947<br>VDE 0660<br>NF C 63-140  |
| product certifications                | CSA<br>UL  |
| IP degree of protection               | IP2x   |
| protective treatment                  | TC conforming to IEC 60068   |
| ambient air temperature for operation | -25...50 °C  |
| ambient air temperature for storage   | -50...80 °C  |
| operating altitude                    | 2000 m without derating in temperature   |
| flame retardance                      | V1 conforming to UL 94<br>Requirement 2 conforming to NF F 16-101<br>Requirement 2 conforming to NF F 16-102   |
| mechanical robustness                 | Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6<br>Vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6<br>Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27<br>Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27 |

## Offer Sustainability

|   |   |
|---|---|
| Green Premium product   | Green Premium product   |
| Compliant - since 0825 - Schneider Electric declaration of conformity | Compliant - since 0825 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold                     | Reference not containing SVHC above the threshold                     |
| Available   | Available   |
| Available   | Available   |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|