

# Product data sheet

Specifications



## Control relay, TeSys SK, 1NO+1NC, <= 690V, 48V AC coil

CA2SK11E7

### Main

|                                |                    |
|--------------------------------|--------------------|
| Range                          | TeSys              |
| Product Name                   | TeSys CASK         |
| Product Or Component Type      | Control relay      |
| Device Short Name              | CA2SK              |
| Contactors Application         | Control circuit    |
| Utilisation Category           | DC-13<br>AC-15     |
| Pole Contact Composition       | 1 NO + 1 NC        |
| [Ue] Rated Operational Voltage | <= 690 V <= 400 Hz |
| Control Circuit Type           | AC at 50/60 Hz     |
| [Uc] Control Circuit Voltage   | 48 V AC 50/60 Hz   |

### Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ith] Conventional Free Air Thermal Current | 10 A (at 55 °C)                                                                                                                                                                                                                                                                                                                                                                                                 |
| Associated Fuse Rating                      | 10 A gL conforming to VDE 0660<br>10 A gL conforming to IEC 60947                                                                                                                                                                                                                                                                                                                                               |
| [Ui] Rated Insulation Voltage               | 690 V conforming to IEC 60947<br>690 V conforming to VDE 0110 group C<br>690 V conforming to BS 5424<br>690 V conforming to UL 508<br>690 V conforming to CSA C22.2 No 14                                                                                                                                                                                                                                       |
| Mounting Support                            | Plate<br>Rail                                                                                                                                                                                                                                                                                                                                                                                                   |
| Connections - Terminals                     | Screw clamp terminals 1 cable(s) 1.5...6 mm²solid<br>Screw clamp terminals 2 cable(s) 1.5...4 mm²solid<br>Screw clamp terminals 1 cable(s) 0.5...6 mm²flexible without cable end<br>Screw clamp terminals 1 cable(s) 0.35...6 mm²flexible with cable end<br>Screw clamp terminals 2 cable(s) 0.35...1.5 mm²flexible with cable end<br>Screw clamp terminals 2 cable(s) 0.35...2.5 mm²flexible without cable end |
| Tightening Torque                           | 0.8 N.m - on screw clamp terminals pozidriv No 1 screw head                                                                                                                                                                                                                                                                                                                                                     |
| Control Circuit Voltage Limits              | Drop-out: 0.2...0.75 Uc (at <50 °C)<br>Operational: 0.85...1.1 Uc (at <50 °C)                                                                                                                                                                                                                                                                                                                                   |
| Operating Time                              | 6...8 ms coil de-energisation and NO opening<br>7...14 ms coil energisation and NO closing<br>8...10 ms coil de-energisation and NC closing<br>8...16 ms coil energisation and NC opening                                                                                                                                                                                                                       |
| Mechanical Durability                       | 10 Mcycles                                                                                                                                                                                                                                                                                                                                                                                                      |
| Maximum Operating Rate                      | 1200 cyc/h                                                                                                                                                                                                                                                                                                                                                                                                      |
| Inrush Power In Va                          | 16 VA (at 20 °C)                                                                                                                                                                                                                                                                                                                                                                                                |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                 |                   |
|---------------------------------|-------------------|
| Hold-In Power Consumption In Va | 4.2 VA (at 20 °C) |
| Heat Dissipation                | 1.4 W             |
| Height                          | 56 mm             |
| Width                           | 27 mm             |
| Depth                           | 55.5 mm           |
| Net Weight                      | 0.132 kg          |

## Environment

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5-1<br>UL 60947-5-1<br>CSA C22.2 No 60947-5-1 |
| Product Certifications                | CB Scheme<br>cULus<br>EAC<br>CE<br>UKCA                    |
| Ip Degree Of Protection               | IP2X                                                       |
| Protective Treatment                  | TC conforming to IEC 60068                                 |
| Ambient Air Temperature For Operation | -20...50 °C                                                |
| Ambient Air Temperature For Storage   | -50...70 °C                                                |
| Operating Altitude                    | 2000 m without derating                                    |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 3.3 cm   |
| Package 1 Width              | 5.8 cm   |
| Package 1 Length             | 6.5 cm   |
| Package 1 Weight             | 118.0 g  |
| Unit Type Of Package 2       | S01      |
| Number Of Units In Package 2 | 40       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 4.877 kg |

## Contractual warranty

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

# Sustainability

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Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

## Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |