

# Product datasheet

Specifications



## TeSys SK control relay - 2 NO - <= 690 V - 110 V AC coil

Local distributor code: 385366430 CA2SK20F7

### Main

|                                |                    |
|--------------------------------|--------------------|
| Range                          | TeSys              |
| Product name                   | TeSys CASK         |
| Product or component type      | Control relay      |
| Device short name              | CA2SK              |
| Contactor application          | Control circuit    |
| Utilisation category           | AC-15<br>DC-13     |
| Pole contact composition       | 2 NO               |
| [Ue] rated operational voltage | <= 690 V <= 400 Hz |
| Control circuit type           | AC at 50/60 Hz     |
| [Uc] control circuit voltage   | 110 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                            | Rail<br>Plate                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                       | 10 Mcycles                                                                                                                                                                                                                                                                                                                                                                                                      |
| Maximum operating rate                      | 1200 cyc/h                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                 |                   |
|---------------------------------|-------------------|
| Inrush power in VA              | 16 VA (at 20 °C)  |
| 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                             | VDE 0660<br>NF C 63-110<br>BS 5424<br>IEC 60947 |
| Product certifications                | cULus                                           |
| 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 Weight             | 119.0 g |
| Package 1 Height             | 3.3 cm  |
| Package 1 width              | 5.9 cm  |
| Package 1 Length             | 6.7 cm  |
| Unit Type of Package 2       | S01     |
| Number of Units in Package 2 | 40      |
| Package 2 Weight             | 4.9 kg  |
| Package 2 Height             | 15 cm   |
| Package 2 width              | 15 cm   |
| Package 2 Length             | 40 cm   |

## Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                 |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                      |
| Mercury free               | Yes                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                   |
| 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 |
|------|-----------------------------------------------------------------------------------------------------------------------------|

Contractual warranty

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