## CA2SK20F7

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

|   |    |   | ۰ |   |
|---|----|---|---|---|
| n | л  | 2 | п | n |
|   | 71 | а | ш |   |

| 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 50/60 Hz        |
| [Uc] control circuit voltage   | 110 V AC 50/60 Hz  |

## Complementary

| Associated fuse rating  10 A gL conforming to VDE 0860 10 A gL conforming to IEC 60947 690 V conforming to UL 508 690 V conforming to UL 509 690 V conforming to UL 508 690 V conforming to UL 509 690 V conforming to UL 508 690 V conforming to UL 208 690 V | [Ith] conventional free air thermal current | 10 A at <= 55 °C  |
|---|---|---|
| Sego V conforming to IEC 60947   699 V conforming to VDE 0110 group C 890 V conforming to UL 508 869 V conforming to CSA C22.2 No 14  | Associated fuse rating                      |   |
| Rail  Connections - terminals  Screw clamp terminals 2 cable(s) 1.54 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 1.56 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 0.56 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.356 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.3515 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.352.5 mm² - cable stiffness: flexible - without cable end  Tightening torque  0.8 N.m - on screw clamp terminals pozidriv No 1  Control circuit voltage limits  0.851.1 Uc at 50 °C operational 0.20.75 Uc at 50 °C drop-out  Operating time  68 ms coil de-energisation and NO opening 714 ms coil energisation and NO closing  Mechanical durability  10 Mcycles  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   | [Ui] rated insulation voltage               | 690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to UL 508   |
| Screw clamp terminals 1 cable(s) 1.56 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 0.56 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.356 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.352.5 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0.352.5 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0.352.5 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0.351.5 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.351.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.356 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.351.6 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.351.6 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.351.6 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.351.6 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.351.6 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.6 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.6 m² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.6 m² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.6 m² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.6 m² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.6 m² - cable stiffness: flexible - with cable end Screw clamp terminal  | Mounting support                            | 1 12112   |
| Control circuit voltage limits  0.851.1 Uc at 50 °C operational 0.20.75 Uc at 50 °C drop-out  Operating time  68 ms coil de-energisation and NO opening 714 ms coil energisation and NO closing  Mechanical durability  10 Mcycles  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  | Connections - terminals                     | Screw clamp terminals 1 cable(s) 1.56 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 0.56 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.356 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.351.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.352.5 mm² - cable stiffness: flexible - without |
| Operating time 68 ms coil de-energisation and NO opening 714 ms coil energisation and NO closing  Mechanical durability 10 Mcycles  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   | Tightening torque                           | 0.8 N.m - on screw clamp terminals pozidriv No 1  |
| 714 ms coil energisation and NO closing  Mechanical durability 10 Mcycles  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  | Control circuit voltage limits              | ·   |
| 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   | Operating time                              |   |
| 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   | Mechanical durability                       | 10 Mcycles  |
| 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   | Operating rate                              | 1200 cyc/h  |
| Heat dissipation         1.4 W           Height         56 mm           Width         27 mm           Depth         55.5 mm   | Inrush power in VA                          | 16 VA at 20 °C  |
| Height         56 mm           Width         27 mm           Depth         55.5 mm  | Hold-in power consumption in VA             | 4.2 VA at 20 °C   |
| Width         27 mm           Depth         55.5 mm   | Heat dissipation                            | 1.4 W   |
| Depth 55.5 mm   | Height                                      | 56 mm   |
|   | Width                                       | 27 mm   |
| Product weight 0.132 kg   | Depth                                       | 55.5 mm   |
|   | Product weight                              | 0.132 kg  |

## **Environment**

| BS 5424     |                          |
|-------------|--------------------------|
| IEC 60947   |                          |
| NF C 63-110 |                          |
| VDE 0660    |                          |
|             | IEC 60947<br>NF C 63-110 |



| product certifications                | CULus                                  |
|---------------------------------------|--|
| IP degree of protection               | IP2x                                   |
| protective treatment                  | TC conforming to IEC 60068             |
| ambient air temperature for operation | -2050 °C                               |
| ambient air temperature for storage   | -5070 °C                               |
| operating altitude                    | 2000 m without derating in temperature |

## Offer Sustainability

| Sustainable offer status | Not Green Premium product   |
|--------------------------|---|
| RoHS (date code: YYWW)   | Compliant - since 0718 - Schneider Electric declaration of conformity |
| REACh                    | Reference contains SVHC above the threshold                           |

