



## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | TeSys           |
| Product name              | TeSys CAD       |
| Product or component type | Control relay   |
| Device short name         | CAD             |
| Contactor application     | Control circuit |

## Complementary

|   |  |
|---|--|
| Utilisation category                        | DC-13<br>AC-15<br>AC-14  |
| Pole contact composition                    | 5 NO   |
| [Ue] rated operational voltage              | $\leq 690$ V AC 25...400 Hz  |
| Control circuit type                        | DC standard  |
| [Uc] control circuit voltage                | 110 V DC   |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947   |
| [Ith] conventional free air thermal current | 10 A 140 °F (60 °C)  |
| Irms rated making capacity                  | 140 A AC IEC 60947-5-1<br>250 A DC IEC 60947-5-1   |
| [Icw] rated short-time withstand current    | 100 A - 1 s<br>120 A - 500 ms<br>140 A - 100 ms  |
| Associated fuse rating                      | 10 A gG IEC 60947-5-1  |
| [Ui] rated insulation voltage               | 600 V UL<br>600 V CSA<br>690 V IEC 60947-5-1   |
| Mounting support                            | Rail<br>Plate  |
| Connections - terminals                     | Spring terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible without cable end<br>Spring terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible without cable end<br>Spring terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )solid without cable end<br>Spring terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )solid without cable end |
| Operating time                              | 53...72 ms coil energisation and NO closing<br>16...24 ms coil de-energisation and NO opening  |
| Mechanical durability                       | 30 Mcycles   |
| Maximum operating rate                      | 180 cyc/mn   |
| Time constant                               | 28 ms  |
| Inrush power in W                           | 5.4 W 68 °F (20 °C))   |
| Hold-in power consumption in W              | 5.4 W 68 °F (20 °C)  |
| Minimum switching voltage                   | 17 V   |
| Minimum switching current                   | 5 mA   |
| Non-overlap time                            | 1.5 Ms on energisation between NC and NO contact<br>1.5 ms on de-energisation between NC and NO contact  |
| Insulation resistance                       | > 10 MOhm  |

|                       |  |
|-----------------------|--|
| Mechanical robustness | Shocks control relay open10 Gn for 11 ms IEC 60068-2-27<br>Shocks control relay closed15 Gn for 11 ms IEC 60068-2-27<br>Vibrations control relay open2 Gn, 5...300 Hz IEC 60068-2-6<br>Vibrations control relay closed4 Gn, 5...300 Hz IEC 60068-2-6 |
| Maximum Height        | 3.90 in (99 mm)  |
| Maximum Width         | 1.77 in (45 mm)  |
| Maximum Depth         | 3.66 in (93 mm)  |
| Net Weight            | 1.28 lb(US) (0.58 kg)  |

## Environment

|                                     |   |
|-------------------------------------|---|
| Standards                           | BS 4794<br>EN 60947-5<br>IEC 60947-5-1<br>NF C 63-140<br>VDE 0660 |
| Product certifications              | UL<br>CSA   |
| IP degree of protection             | IP2x front face VDE 0106  |
| Protective treatment                | TH IEC 60068  |
| Ambient air temperature for storage | -76...176 °F (-60...80 °C)  |
| Operating altitude                  | 9842.52 ft (3000 m) without derating                              |

## Ordering and shipping details

|                       |                         |
|-----------------------|-------------------------|
| Category              | 22371 - RELAYS, CONTROL |
| Discount Schedule     | I12                     |
| GTIN                  | 03389110820423          |
| Nbr. of units in pkg. | 1                       |
| Package weight(Lbs)   | 1.28 lb(US) (0.58 kg)   |
| Returnability         | No                      |
| Country of origin     | FR                      |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 1.140 dm |
| Package 1 width  | 1.050 dm |
| Package 1 Length | 0.540 dm |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide which is known to the State of California to cause Carcinogen harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
| EU RoHS Directive          | Compliant <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>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End Of Life Information</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 |
|----------|-----------|