



### Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | EasyPact        |
| Product name              | EasyPact TVS    |
| Product or component type | Control relay   |
| Device short name         | CAE             |
| Contactor application     | Control circuit |
| Colour                    | Grey (RAL 7011) |

### Complementary

|   |  |
|---|--|
| Utilisation category                        | AC-15<br>AC-14   |
| Pole contact composition                    | 2 NO + 2 NC  |
| [Ue] rated operational voltage              | <= 690 V AC  |
| Control circuit type                        | AC at 50 Hz  |
| [Uc] control circuit voltage                | 24 V AC 50 Hz  |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to IEC 60947   |
| [Ith] conventional free air thermal current | 10 A (at 40 °C)  |
| Irms rated making capacity                  | 140 A at 690 V AC conforming to IEC 60947-5-1  |
| [Icw] rated short-time withstand current    | 120 A - 500 ms<br>140 A - 100 ms   |
| Associated fuse rating                      | 10 A gG at 690 V conforming to IEC 60947-5-1   |
| [Ui] rated insulation voltage               | 690 V conforming to IEC 60947-5-1  |
| Mounting support                            | Rail<br>Plate  |
| Connections - terminals                     | Screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end<br>Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end<br>Screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: solid without cable end<br>Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: solid without cable end |
| Recommended tightening torque               | 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2   |
| Control circuit voltage limits              | Operational: 0.85...1.1 Uc at 50 Hz<br>Drop-out: 0.3...0.6 Uc  |
| Operating time                              | 4...19 ms coil energisation and NC opening<br>12...22 ms coil energisation and NO closing<br>4...12 ms coil de-energisation and NC opening<br>6...17 ms coil de-energisation and NO closing  |
| Mechanical durability                       | 10 Mcycles   |
| Maximum operating rate                      | 180 cyc/mn   |
| Inrush power in VA                          | 70 VA 50 Hz (at 20 °C)   |
| Hold-in power consumption in VA             | 8 VA 50 Hz (at 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 open: 7 Gn for 11 ms<br>Shocks control relay closed: 10 Gn for 11 ms<br>Vibrations control relay open: 1.5 Gn, 5...300 Hz<br>Vibrations control relay closed: 3 Gn, 5...300 Hz |
| Height                | 74 mm   |
| Width                 | 45 mm   |
| Depth                 | 80 mm   |
| Net weight            | 0.28 kg   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-5-1                |
| Product certifications                | GOST                         |
| IP degree of protection               | IP2x conforming to IEC 60529 |
| Protective treatment                  | TH conforming to IEC 60068   |
| Ambient air temperature for operation | -20...70 °C                  |
| Ambient air temperature for storage   | -60...80 °C                  |
| Operating altitude                    | 3000 m without derating      |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Weight             | 293.0 g    |
| Package 1 Height             | 5.0 cm     |
| Package 1 width              | 7.5 cm     |
| Package 1 Length             | 8.5 cm     |
| Unit Type of Package 2       | S02        |
| Number of Units in Package 2 | 36         |
| Package 2 Weight             | 10.852 kg  |
| Package 2 Height             | 15.0 cm    |
| Package 2 width              | 30.0 cm    |
| Package 2 Length             | 40.0 cm    |
| Unit Type of Package 3       | P06        |
| Number of Units in Package 3 | 576        |
| Package 3 Weight             | 181.632 kg |
| Package 3 Height             | 75.0 cm    |
| Package 3 width              | 80.0 cm    |
| Package 3 Length             | 60.0 cm    |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>   |
| Toxic heavy metal free     | Yes   |
| 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>   |
| 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 |
|----------|-----------|