

switching relay with 2 NO, contact for 230V AC 16A control 12V AC



| Model  |                    |
|--|--------------------|
| Product brand name   | SETRON             |
| Product designation  | Switching relays   |
| Design of the product  | With 2 NO contacts |
| Design of the switching function                             | 2 NO               |
| General technical data                                       |                    |
| Operating range factor / of control voltage_1                | 0.8                |
| Electrical endurance (switching cycles)                      | 50 000             |
| Galvanic isolation / between magnet coil and contact         | Yes                |
| Switching voltage / of the contacts / at AC / minimum        | 10 V               |
| Switching current / at AC / per contact / minimum            | 100 mA             |
| Power loss [V•A] / of magnet coil / with pulse / rated value | 3 V•A              |
| Voltage  |                    |
| Control voltage / at AC / rated value / maximum              | 12 V               |
| Surge voltage resistance / rated value                       | 4 kV               |
| Supply voltage   | 400 V              |
| Supply voltage   |                    |

|   |               |
|---|---------------|
| Supply voltage                                    | 400 ... 400 V |
| Operating voltage / at AC / rated value / maximum | 400 V         |
| Type of voltage / of the supply voltage           | AC            |

### Protection class

|                     |                                 |
|---------------------|---------------------------------|
| Protection class IP | IP20, with connected conductors |
|---------------------|---------------------------------|

### Switching capacity

|   |         |
|---|---------|
| Switching capacity apparent power   |         |
| <ul style="list-style-type: none"> <li>for uncompensated fluorescent lamp load</li> </ul> | 400 V·A |
| Switching capacity current / at cos phi 0.6   | 16 A    |
| Switching capacity active power / with filament lamp load                                 | 1 200 W |

### Dissipation

|  |       |
|--|-------|
| Power loss [W]   |       |
| <ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul> | 1 W   |
| <ul style="list-style-type: none"> <li>at 16 A / per contact / rated value</li> </ul>  | 1 W   |
| <ul style="list-style-type: none"> <li>of magnet coil / with pulse / rated value</li> </ul>                                  | 2.4 W |

### Main circuit

|  |       |
|--|-------|
| Operating frequency / rated value  | 50 Hz |
| Operating current  |       |
| <ul style="list-style-type: none"> <li>rated value</li> </ul>                        | 16 A  |
| <ul style="list-style-type: none"> <li>at cos phi 0.6 ... 1 / rated value</li> </ul> | 16 A  |

### Control current

|   |       |
|---|-------|
| Type of voltage   |       |
| <ul style="list-style-type: none"> <li>of control voltage_1</li> </ul>  | AC    |
| Control voltage   |       |
| <ul style="list-style-type: none"> <li>_1 / initial value</li> </ul>    | 12 V  |
| <ul style="list-style-type: none"> <li>_1 / Full-scale value</li> </ul> | 12 V  |
| Control voltage frequency   |       |
| <ul style="list-style-type: none"> <li>_1 / initial value</li> </ul>    | 50 Hz |
| <ul style="list-style-type: none"> <li>_1 / Full-scale value</li> </ul> | 50 Hz |
| Operating range factor / of control voltage_2                           | 1.1   |

### Product function

|                                     |     |
|-------------------------------------|-----|
| Product function / direct operation | Yes |
|-------------------------------------|-----|

### Inputs Outputs

|              |                      |
|--------------|----------------------|
| Relay design | partially electronic |
|--------------|----------------------|

### Number

|   |   |
|---|---|
| Number of terminals / with cross-head screw | 1 |
| Number of NC contacts                       | 0 |
| Number of NO contacts                       | 2 |

|                       |   |
|-----------------------|---|
| Number of CO contacts | 0 |
|-----------------------|---|

### Connections

|  |  |
|--|--|
| Connectable conductor cross-section  |  |
| <ul style="list-style-type: none"> <li>• for flexible conductor / with core end processing</li> <li>• for rigid conductor</li> </ul> | 1 ... 6 mm <sup>2</sup><br>1 ... 6 mm <sup>2</sup> |




### Mechanical Design

|                                    |          |
|------------------------------------|----------|
| Width of opening / of the contacts | 1.2 mm   |
| Installation depth                 | 90 mm    |
| Number of width units              | 1        |
| Mounting type                      | DIN rail |
| Mounting position                  | any      |
| Required spacing / for live parts  | 6 mm     |

### Environmental conditions

|                     |                |
|---------------------|----------------|
| Ambient temperature | -10 ... +40 °C |
|---------------------|----------------|

### Certificates

| General Product Approval   |  | Declaration of Conformity  | Test Certificates             |
|--|--|--|-------------------------------|
|  |  |  |                               |
| CCC  | VDE  | EG-Konf.   |                               |
|  | <a href="#">Miscellaneous</a>  |  | <a href="#">Miscellaneous</a> |

### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TT4202-3>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/5TT4202-3>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5TT4202-3](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4202-3)

**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

<http://www.siemens.com/specifications>

