



switching relay with 1 NO and 1 NC contact, contact for 230V AC 16A control 12V AC

| Model                                                                  |                                 |
|------------------------------------------------------------------------|---------------------------------|
| product brand name                                                     | SETRON                          |
| product designation                                                    | Switching relays                |
| design of the product                                                  | with 1 NC and 1 NO              |
| design of the switching function                                       | 1 NO + 1 NC                     |
| General technical data                                                 |                                 |
| operating range factor of control voltage_1                            | 0.8                             |
| electrical endurance (operating 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 VA                            |
| Voltage                                                                |                                 |
| type of voltage of the operating voltage                               | AC                              |
| control voltage at AC rated value maximum                              | 12 V                            |
| surge voltage resistance rated value                                   | 4 kV                            |
| Supply voltage                                                         |                                 |
| operating voltage                                                      |                                 |
| • minimum                                                              | 400 V                           |
| • maximum                                                              | 400 V                           |
| • at AC rated value maximum                                            | 400 V                           |
| type of voltage of the supply voltage                                  | AC                              |
| Protection class                                                       |                                 |
| protection class IP                                                    | IP20, with connected conductors |
| Breaking Capacity                                                      |                                 |
| switching capacity apparent power                                      |                                 |
| • for uncompensated fluorescent lamp load                              | 400 VA                          |
| switching capacity current at cos phi 0.6                              | 16 A                            |
| switching capacity active power with incandescent lamp load            | 1 200 W                         |
| Dissipation                                                            |                                 |
| power loss [W]                                                         |                                 |
| • for rated value of the current at AC in hot operating state per pole | 1 W                             |
| • at 16 A per contact rated value                                      | 1 W                             |
| • of magnet coil with pulse rated value                                | 2.4 W                           |
| Main circuit                                                           |                                 |
| operating frequency rated value                                        | 50 Hz                           |
| operational current                                                    |                                 |
| • rated value                                                          | 16 A                            |
| • at cos phi 0.6 ... 1 rated value                                     | 16 A                            |

|                                                                                     |                      |
|-------------------------------------------------------------------------------------|----------------------|
| <b>Control current</b>                                                              |                      |
| type of voltage                                                                     |                      |
| • of control voltage_1                                                              | AC                   |
| control voltage                                                                     |                      |
| • _1 initial value                                                                  | 12 V                 |
| • _1 full-scale value                                                               | 12 V                 |
| control voltage frequency                                                           |                      |
| • _1 initial value                                                                  | 50 Hz                |
| • _1 full-scale value                                                               | 50 Hz                |
| operating range factor of control voltage_2                                         | 1.1                  |
| number of NC contacts                                                               | 1                    |
| number of NO contacts                                                               | 1                    |
| number of CO contacts                                                               | 0                    |
| <b>Product function</b>                                                             |                      |
| product function direct operation                                                   | Yes                  |
| <b>Inputs Outputs</b>                                                               |                      |
| relay design                                                                        | partially electronic |
| <b>Number</b>                                                                       |                      |
| number of terminals with cross-head screw                                           | 1                    |
| <b>Connections</b>                                                                  |                      |
| connectable conductor cross-section for flexible conductor with core end processing |                      |
| • minimum                                                                           | 1 mm <sup>2</sup>    |
| • maximum                                                                           | 6 mm <sup>2</sup>    |
| connectable conductor cross-section for rigid conductor                             |                      |
| • minimum                                                                           | 1 mm <sup>2</sup>    |
| • maximum                                                                           | 6 mm <sup>2</sup>    |
| <b>Mechanical Design</b>                                                            |                      |
| width of opening of the contacts                                                    | 1.2 mm               |
| installation depth                                                                  | 90 mm                |
| number of modular width units                                                       | 1                    |
| fastening method                                                                    | DIN rail             |
| mounting position                                                                   | any                  |
| required spacing for live parts                                                     | 6 mm                 |
| <b>Environmental conditions</b>                                                     |                      |
| ambient temperature during operation                                                |                      |
| • minimum                                                                           | -10 °C               |
| • maximum                                                                           | 40 °C                |
| <b>Approvals Certificates</b>                                                       |                      |
| <b>General Product Approval</b>                                                     |                      |



[Confirmation](#)



[Miscellaneous](#)

| General Product Approval | Test Certificates | other | Environment |
|--------------------------|-------------------|-------|-------------|
|--------------------------|-------------------|-------|-------------|



[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)

#### Further information

**Siemens has decided to exit the Russian market (see here).**

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5TT4205-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5TT4205-3>

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

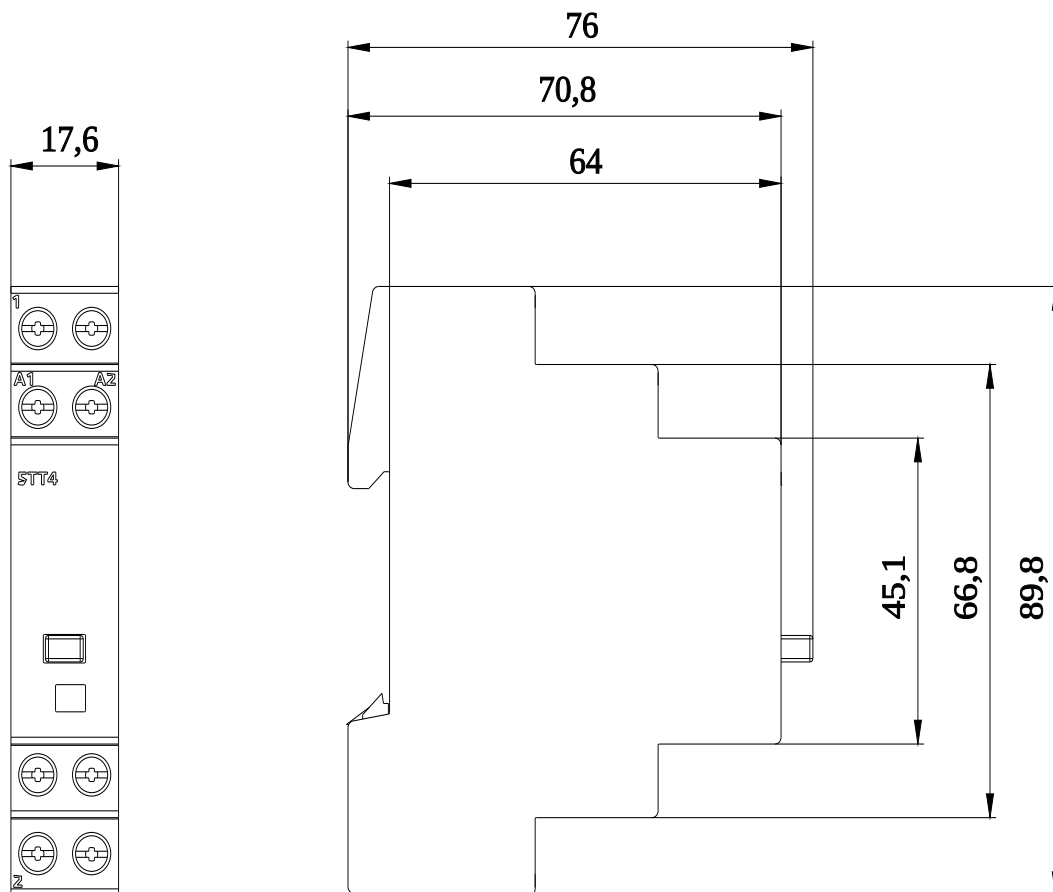
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5TT4205-3](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4205-3)

CAX-Online-Generator

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

Tender specifications

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



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