SIEMENS

## Data sheet 5TT4201-2

Switching relay with 1 NO Contact for 230 V AC 16 A Control 24 V AC



Figure similar

| Model | |
|---|---|
| Product brand name | SENTRON |
| Product designation | Switching relays |
| Design of the product | With 1 NO |
| Design of the switching function | 1 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 | |
|---|---|
| Surge voltage resistance / rated value | 4 kV |
| Supply voltage | 250 V |


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| Supply voltage | |
|---|---|
| Supply voltage / minimum | 250 V |
| Type of voltage / of the supply voltage | AC |

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

| Switching capacity | |
|---|---|
| Switching capacity apparent power | |
| • for uncompensated fluorescent lamp load | 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] | |
| • 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 |
| Operating voltage / at AC / rated value / maximum | 250 V |
| Operating current | |
| • rated value | 16 A |
| • at cos phi 0.6 ... 1 / rated value | 16 A |

| Control current | |
|---|---|
| Type of voltage | |
| • of control voltage_1 | AC |
| Control voltage | |
| • _1 / initial value | 24 V |
| • _1 / Full-scale value | 24 V |
| Control voltage frequency | |
| • _1 / initial value | 50 Hz |
| • _1 / Full-scale value | 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 |


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| | |
|---|---|
| Number of NC contacts | 0 |
| Number of NO contacts | 1 |
| Number of CO contacts | 0 |

## Connections

| | |
|---|---|
| **Connectable conductor cross-section** | |
| • for flexible conductor / with core end processing | |
| — minimum | 1 mm² |
| — maximum | 6 mm² |
| • for rigid conductor | |
| — minimum | 1 mm² |
| — maximum | 6 mm² |

## Mechanical Design

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

## Environmental conditions

| | |
|---|---|
| Ambient temperature | |
| • minimum | -10 °C |
| • maximum | 40 °C |

## Certificates

| General Product Approval | | | Declaration of Conformity | Test Certificates |
|---|---|---|---|---|
| CCC | VDE | Miscellaneous | EG-Konf. | Miscellaneous |

## 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=5TT4201-2

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5TT4201-2

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT4201-2

**CAx-Online-Generator**
http://www.siemens.com/cax

**Tender specifications**
http://www.siemens.com/specifications


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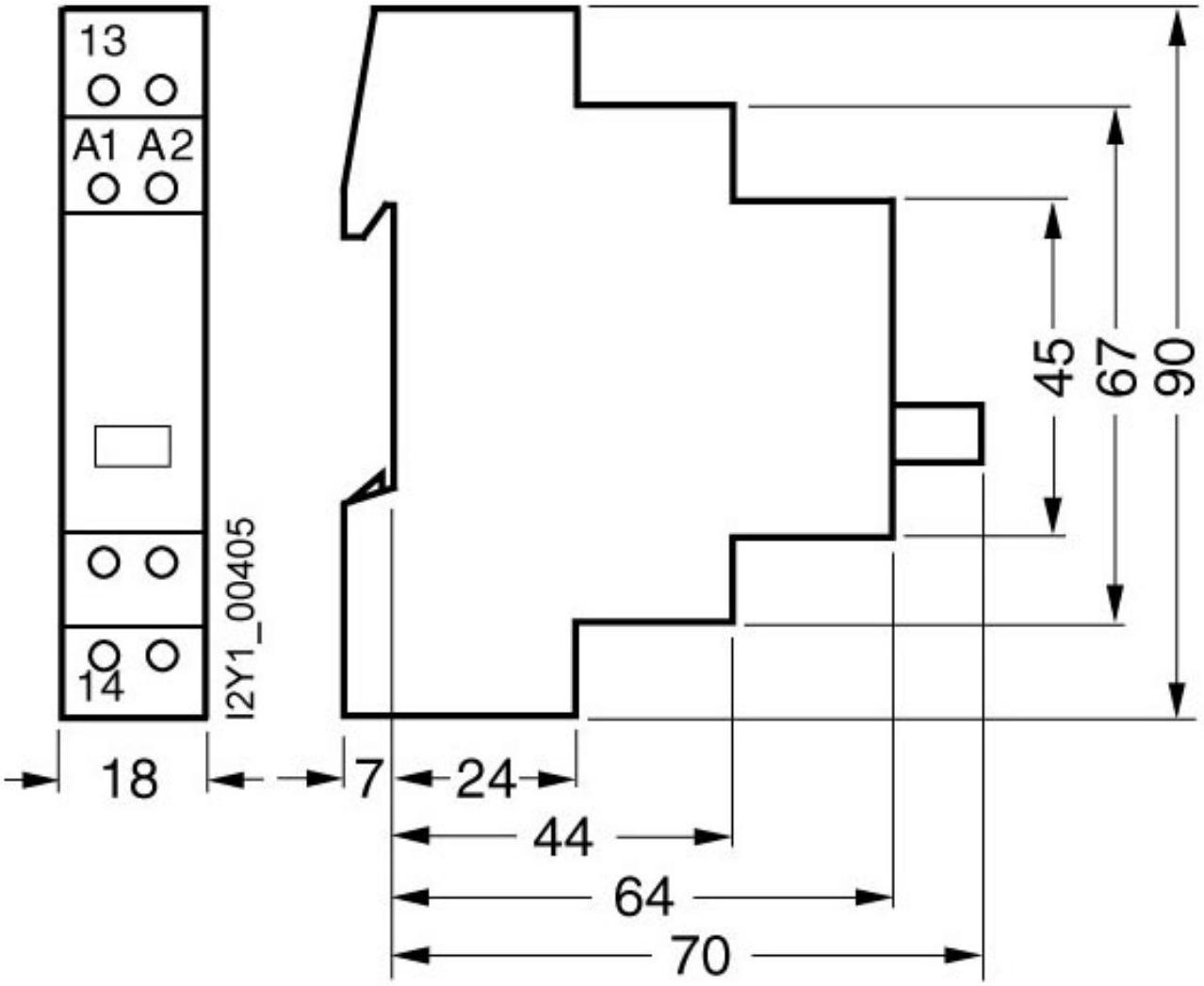



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