



Figure similar

RC unit for 5SY, 2-pole, type A, In: 63 A, 500 mA, Un AC: 230 V

| Model                                                           |                                                                         |
|-----------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                              | SETRON                                                                  |
| product designation                                             | RCD-unit                                                                |
| design of the product                                           | Instantaneous                                                           |
| product type designation                                        | 5SM2                                                                    |
| product variations                                              | for 5SY                                                                 |
| General technical data                                          |                                                                         |
| number of poles                                                 | 2                                                                       |
| design of pole                                                  | 2 poles                                                                 |
| size of installation devices according to DIN 43880             | 1                                                                       |
| touch protection against electrical shock according to EN 50274 | Finger and back-of-hand safe                                            |
| mechanical service life (operating cycles) typical              | 10 000                                                                  |
| overvoltage category                                            | III                                                                     |
| degree of pollution                                             | 2                                                                       |
| Voltage                                                         |                                                                         |
| type of voltage of the operating voltage                        | AC                                                                      |
| insulation voltage (Ui) rated value                             | 460 V                                                                   |
| surge voltage resistance rated value                            | 4 000 V                                                                 |
| tripping fault current rated value                              | 500 mA                                                                  |
| operational current                                             |                                                                         |
| • at 40 °C rated value                                          | 58.6 A                                                                  |
| • at 45 °C rated value                                          | 58.59 A                                                                 |
| • at 50 °C rated value                                          | 56.7 A                                                                  |
| • at 55 °C rated value                                          | 54.81 A                                                                 |
| • at 60 °C rated value                                          | 53.55 A                                                                 |
| • at 65 °C rated value                                          | 52.29 A                                                                 |
| • at 70 °C rated value                                          | 50.4 A                                                                  |
| • at AC rated value                                             | 63 A                                                                    |
| residual current type                                           | A                                                                       |
| surge current resistance rated value                            | 1 kA                                                                    |
| supply voltage                                                  |                                                                         |
| • at AC                                                         | 230 V                                                                   |
| • for testing equipment minimum                                 | 195 V                                                                   |
| value range of the supply voltage frequency                     | 50 Hz                                                                   |
| value range of the operating frequency                          | 50 Hz                                                                   |
| Protection class                                                |                                                                         |
| protection class IP                                             | IP20, if the distribution board is installed, with connected conductors |
| protection function false tripping                              | Yes                                                                     |

| Dissipation                                                                        |                     |
|------------------------------------------------------------------------------------|---------------------|
| <b>power loss [W]</b>                                                              |                     |
| • for rated value of the current at AC in hot operating state per pole             | 3 W                 |
| • maximum                                                                          | 6 W                 |
| Product details                                                                    |                     |
| <b>product feature</b>                                                             |                     |
| • OFF-delay time adjustable                                                        | No                  |
| • rated fault current adjustable                                                   | No                  |
| • sealable                                                                         | No                  |
| Connections                                                                        |                     |
| <b>connectable conductor cross-section solid</b>                                   |                     |
| • minimum                                                                          | 1.5 mm <sup>2</sup> |
| • maximum                                                                          | 25 mm <sup>2</sup>  |
| <b>connectable conductor cross-section stranded</b>                                |                     |
| • minimum                                                                          | 1.5 mm <sup>2</sup> |
| • maximum                                                                          | 25 mm <sup>2</sup>  |
| <b>tightening torque with screw-type terminals</b>                                 |                     |
| • minimum                                                                          | 2.5 N·m             |
| • maximum                                                                          | 3 N·m               |
| position of power supply cord                                                      | top or bottom       |
| Mechanical Design                                                                  |                     |
| <b>height</b>                                                                      | 90 mm               |
| <b>width</b>                                                                       | 71 mm               |
| <b>depth</b>                                                                       | 70 mm               |
| <b>installation depth</b>                                                          | 70 mm               |
| <b>number of modular width units</b>                                               | 2                   |
| <b>fastening method</b>                                                            | REG                 |
| <b>mounting position</b>                                                           | any                 |
| <b>net weight</b>                                                                  | 193 g               |
| Environmental conditions                                                           |                     |
| <b>ambient temperature during operation</b>                                        |                     |
| • minimum                                                                          | -25 °C              |
| • maximum                                                                          | 45 °C               |
| <b>ambient temperature during storage</b>                                          |                     |
| • minimum                                                                          | -40 °C              |
| • maximum                                                                          | 75 °C               |
| <b>number of test cycles for environmental testing according to IEC 60068-2-30</b> | 28                  |
| Certificates                                                                       |                     |
| <b>reference code according to IEC 81346-2</b>                                     | F                   |
| Approvals Certificates                                                             |                     |
| General Product Approval                                                           |                     |



[Confirmation](#)



General Product Approval

other

Dangerous goods



[Miscellaneous](#)



[Miscellaneous](#)

[Confirmation](#)

[Transport Information](#)

Environment

[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)

#### Further information

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=5SM2725-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2725-6>

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

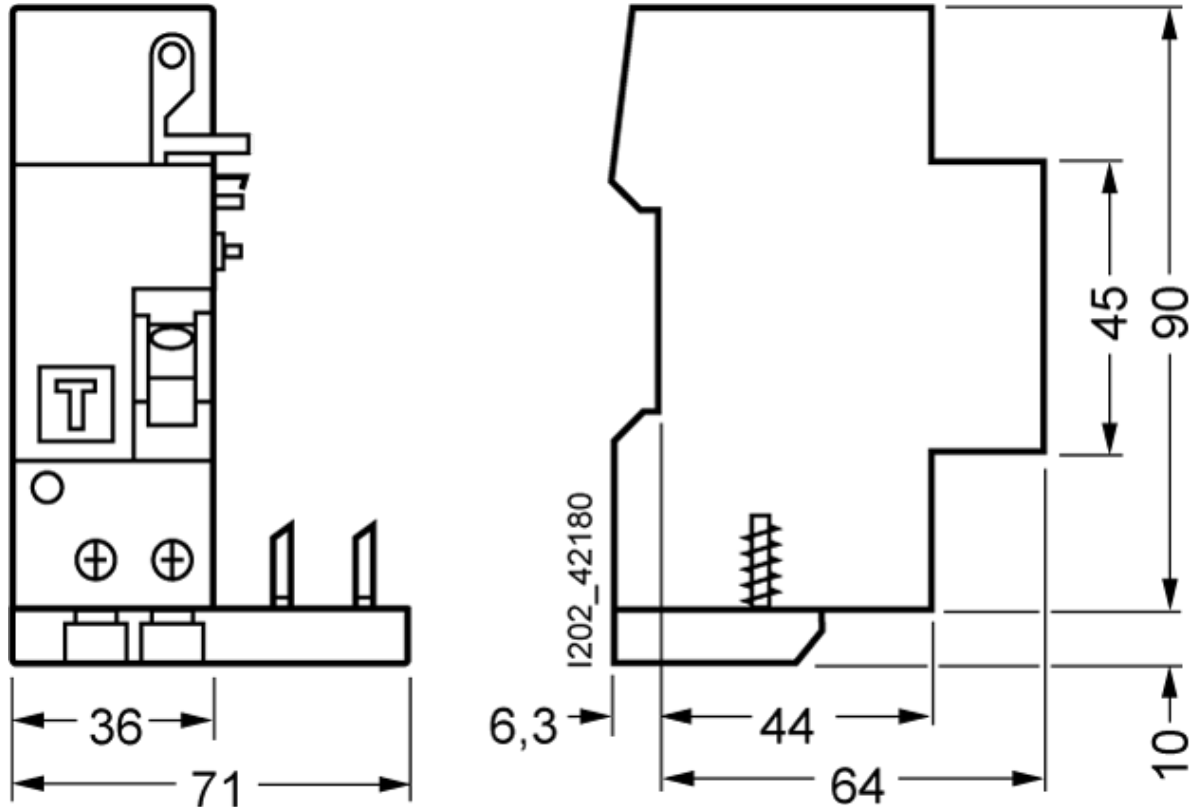
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2725-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2725-6)

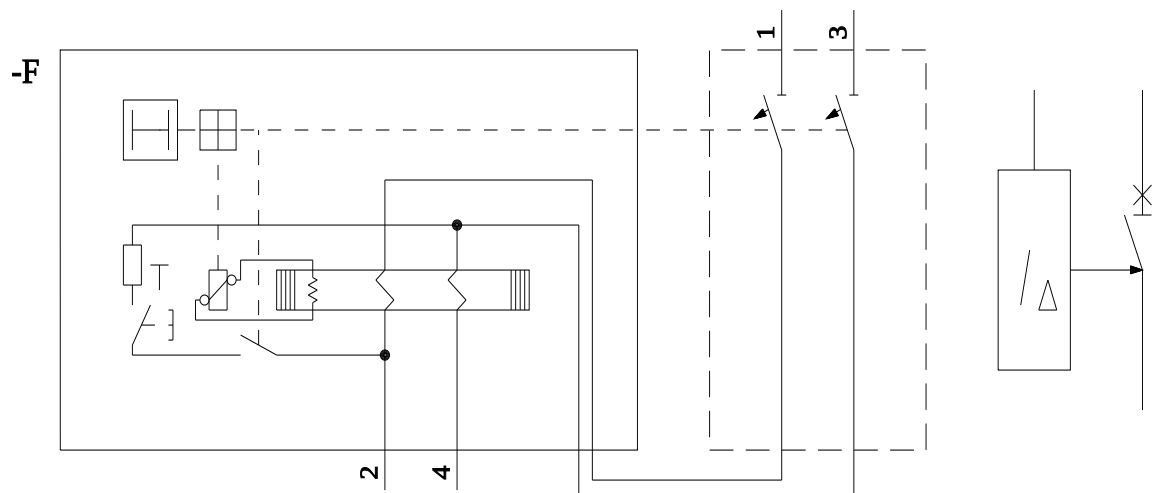
CAX-Online-Generator

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

Tender specifications

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





last modified:

7/5/2024 

