

RC unit for 5SL4, 3-pole, type AC, In: 40 A, 30 mA, Un AC: 400 V



Figure similar

| Model  |  |
|--|--|
| product brand name   | SENTRON  |
| product designation  | RCD-unit   |
| design of the product  | Instantaneous  |
| product type designation   | 5SM2   |
| product version  | for 5SL4   |
| General technical data   |  |
| number of poles  | 3  |
| design of pole   | 3 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   | 30 mA  |
| <ul style="list-style-type: none"> <li>● operational current                             <ul style="list-style-type: none"> <li>— at 40 °C rated value</li> <li>— at 45 °C rated value</li> <li>— at 50 °C rated value</li> <li>— at 55 °C rated value</li> <li>— at 60 °C rated value</li> <li>— at 65 °C rated value</li> <li>— at 70 °C rated value</li> </ul> </li> <li>● operational current at AC rated value</li> </ul> | <ul style="list-style-type: none"> <li>37.2 A</li> <li>37.2 A</li> <li>36 A</li> <li>34.8 A</li> <li>34 A</li> <li>33.2 A</li> <li>32 A</li> <li>40 A</li> </ul> |
| residual current type  | AC   |
| supply voltage <ul style="list-style-type: none"> <li>● at AC</li> <li>● for testing equipment minimum</li> </ul>  | <ul style="list-style-type: none"> <li>400 V</li> <li>340 V</li> </ul>   |
| 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>  |        |
| <ul style="list-style-type: none"> <li>for rated value of the current at AC in hot operating state per pole</li> </ul> | 3.6 W  |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>  | 10.8 W |

### Product details

|  |    |
|--|----|
| product feature OFF-delay time adjustable      | No |
| product feature rated fault current adjustable | No |
| product feature sealable                       | No |

### Connections

|   |                     |
|---|---------------------|
| <b>connectable conductor cross-section solid</b>          |                     |
| <ul style="list-style-type: none"> <li>minimum</li> </ul> | 1.5 mm <sup>2</sup> |
| <ul style="list-style-type: none"> <li>maximum</li> </ul> | 25 mm <sup>2</sup>  |
| <b>connectable conductor cross-section stranded</b>       |                     |
| <ul style="list-style-type: none"> <li>minimum</li> </ul> | 1.5 mm <sup>2</sup> |
| <ul style="list-style-type: none"> <li>maximum</li> </ul> | 25 mm <sup>2</sup>  |
| <b>tightening torque with screw-type terminals</b>        |                     |
| <ul style="list-style-type: none"> <li>minimum</li> </ul> | 2.5 N·m             |
| <ul style="list-style-type: none"> <li>maximum</li> </ul> | 3 N·m               |
| <b>position of power supply cord</b>                      | top or bottom       |

### Mechanical Design

|                               |          |
|-------------------------------|----------|
| height                        | 90 mm    |
| width                         | 54 mm    |
| depth                         | 70 mm    |
| installation depth            | 70 mm    |
| number of modular width units | 3        |
| fastening method              | DIN rail |
| mounting position             | any      |
| Net Weight                    | 285 g    |

### Environmental conditions

|  |        |
|--|--------|
| <b>ambient temperature during operation</b>  |        |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                          | -5 °C  |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                          | 45 °C  |
| <b>ambient temperature during storage</b>  |        |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                          | -40 °C |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                          | 75 °C  |
| <b>number of test cycles for environmental testing according to IEC 60068-2-30</b> | 28     |

### Certificates

|   |   |
|---|---|
| reference code according to IEC 81346-2 | F |
|---|---|

### Approvals Certificates

|             |                          |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

[Environmental Confirmations](#)

[Environmental Confirmations](#)



[Miscellaneous](#)

[Miscellaneous](#)



|                          |       |                 |
|--------------------------|-------|-----------------|
| General Product Approval | other | Dangerous goods |
|--------------------------|-------|-----------------|

[Confirmation](#)



[Confirmation](#)

[Transport Information](#)

### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2333-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2333-0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2333-0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2333-0)

CAX-Online-Generator

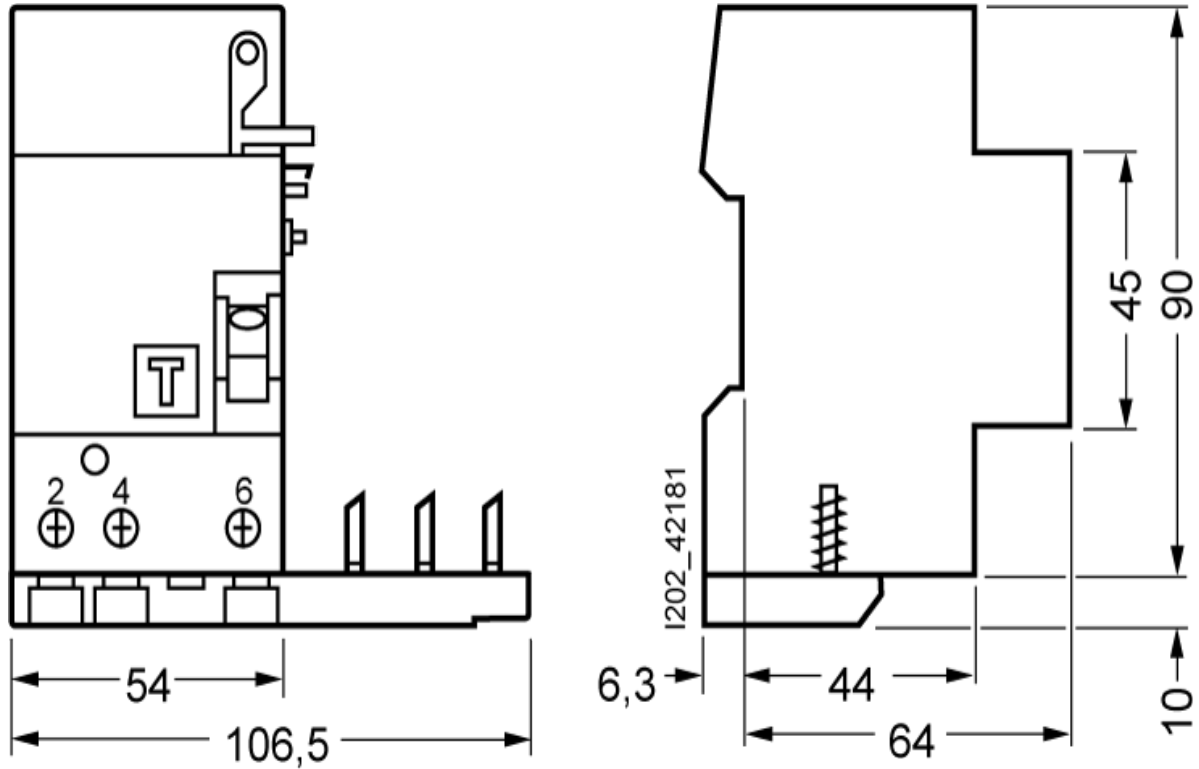
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)





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