



RCBO, 6 kA, 3P Type A, 30 mA, B-Char, In: 6A Un: 400V

| Model  |  |
|--|--|
| product brand name   | SENTRON  |
| product designation  | RCBO   |
| design of the product  | Instantaneous  |
| General technical data   |  |
| number of poles  | 3  |
| number of poles with protection  | 3  |
| design of pole   | 3P   |
| tripping characteristic class  | B  |
| mechanical service life (operating cycles) typical   | 10 000   |
| overvoltage category   | 3  |
| degree of pollution  | 3  |
| Voltage  |  |
| type of voltage of the operating voltage   | AC   |
| insulation voltage (Ui) rated value  | 500 V  |
| surge voltage resistance rated value   | 4 000 V  |
| surge current resistance at (8/20) $\mu$ s   | 0.25 kA  |
| tripping fault current rated value   | 30 mA  |
| <ul style="list-style-type: none"> <li>● operational current                             <ul style="list-style-type: none"> <li>— at 30 °C rated value</li> <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 70 °C rated value</li> </ul> </li> <li>● operational current at AC rated value</li> </ul> | <ul style="list-style-type: none"> <li>6 A</li> <li>5.7 A</li> <li>5.5 A</li> <li>5.3 A</li> <li>5.1 A</li> <li>5 A</li> <li>4.7 A</li> <li>6 A</li> </ul> |
| residual current type  | A  |
| Supply voltage   |  |
| supply voltage <ul style="list-style-type: none"> <li>● at AC rated value</li> <li>● for testing equipment minimum</li> </ul>  | <ul style="list-style-type: none"> <li>400 V</li> <li>340 V</li> </ul>   |
| operating frequency  | 50 Hz  |
| supply voltage frequency rated value   | 50 Hz  |
| Protection class   |  |
| protection class IP  | IP20, if the distribution board is installed, with connected conductors  |
| Breaking Capacity  |  |
| switching capacity current   |  |

|   |        |
|---|--------|
| <ul style="list-style-type: none"> <li>• according to EN 60898 rated value</li> </ul>               | 6 kA   |
| <ul style="list-style-type: none"> <li>• according to IEC 60947-2 rated value</li> </ul>            | 6 kA   |
| <b>short-circuit current breaking capacity (I<sub>cn</sub>) according to EN 61009-1 rated value</b> | 6 kA   |
| <b>rated residual switching capacity (I<sub>Δm</sub>) according to IEC 61009-1</b>                  | 4.5 kA |
| <b>energy limitation class</b>  | 3      |

#### Dissipation

|   |       |
|---|-------|
| <b>power loss [W]</b>                                       |       |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul> | 1.1 W |

#### Product details

|   |     |
|---|-----|
| <b>product feature touch protection</b>       | Yes |
| product component neutral conductor switching | No  |
| <b>product feature halogen-free</b>           | No  |

#### Connections

|   |                      |
|---|----------------------|
| <b>connectable conductor cross-section solid</b>                                    |                      |
| <ul style="list-style-type: none"> <li>• minimum</li> </ul>                         | 1 mm <sup>2</sup>    |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                         | 35 mm <sup>2</sup>   |
| <b>connectable conductor cross-section stranded</b>                                 |                      |
| <ul style="list-style-type: none"> <li>• minimum</li> </ul>                         | 1 mm <sup>2</sup>    |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                         | 35 mm <sup>2</sup>   |
| <b>connectable conductor cross-section finely stranded with core end processing</b> |                      |
| <ul style="list-style-type: none"> <li>• minimum</li> </ul>                         | 1 mm <sup>2</sup>    |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                         | 35 mm <sup>2</sup>   |
| <b>tightening torque with screw-type terminals</b>                                  |                      |
| <ul style="list-style-type: none"> <li>• minimum</li> </ul>                         | 2 N·m                |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                         | 2 N·m                |
| <b>position of power supply cord</b>  | Either top or bottom |

#### Mechanical Design

|                                      |       |
|--------------------------------------|-------|
| <b>height</b>                        | 85 mm |
| <b>width</b>                         | 54 mm |
| <b>depth</b>                         | 72 mm |
| <b>installation depth</b>            | 70 mm |
| <b>number of modular width units</b> | 3     |
| <b>mounting position</b>             | any   |
| <b>Net Weight</b>                    | 338 g |

#### Environmental conditions

|  |                   |
|--|-------------------|
| <b>influence of the surrounding temperature</b>                                    | Max. 95% humidity |
| <b>ambient temperature during operation</b>  |                   |
| <ul style="list-style-type: none"> <li>• minimum</li> </ul>                        | -25 °C            |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>                        | 40 °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>                        | 70 °C             |
| <b>number of test cycles for environmental testing according to IEC 60068-2-30</b> | 28                |

#### Approvals Certificates

|                    |                                 |
|--------------------|---------------------------------|
| <b>Environment</b> | <b>General Product Approval</b> |
|--------------------|---------------------------------|

[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)

[Miscellaneous](#)



[Confirmation](#)



|                                       |              |                        |
|---------------------------------------|--------------|------------------------|
| <b>General Product Ap-<br/>proval</b> | <b>other</b> | <b>Dangerous goods</b> |
|---------------------------------------|--------------|------------------------|



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=5SU1336-6FP06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1336-6FP06>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1336-6FP06](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1336-6FP06)

CAX-Online-Generator

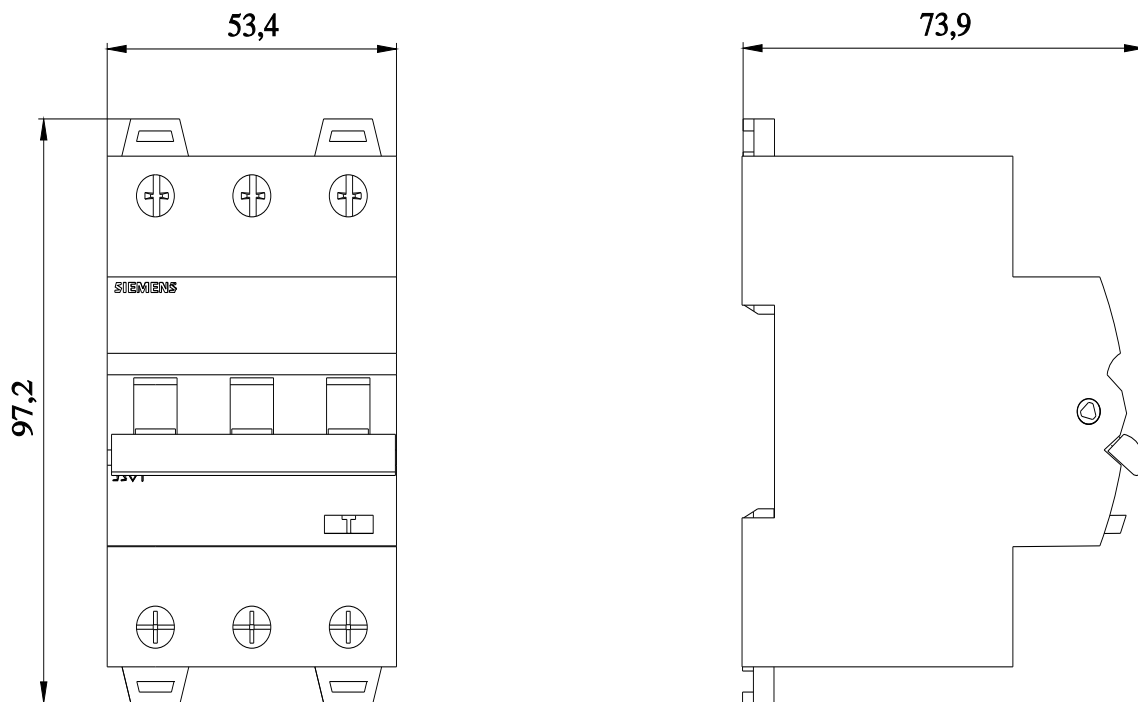
<https://www.siemens.com/cax>

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=)



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