

RCBO, Icn: 6 kA, 1P+N, Type A, 30 mA, C-Char, In: 10 A, Un AC: 230V



Figure similar

| Model  |   |
|--|---|
| product brand name   | SENTRON   |
| product designation  | RCD-operated circuit breaker  |
| design of the product  | Instantaneous   |
| General technical data   |   |
| number of poles  | 4   |
| number of poles with protection  | 4   |
| design of pole   | 4P  |
| tripping characteristic class  | C   |
| mechanical service life (operating cycles) typical   | 10 000  |
| overvoltage category   | 3   |
| degree of pollution  | 2   |
| Voltage  |   |
| type of voltage of the operating voltage   | AC  |
| insulation voltage (Ui) rated value  | 440 V   |
| surge voltage resistance rated value   | 4 000 V   |
| surge current resistance at (8/20) $\mu$ s   | 1 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> </ul> </li> <li>● operational current at AC rated value</li> </ul> | 10 A  |
| 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>  | 400 V<br>125 V  |
| operating frequency  | 50/60 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> <li>● according to IEC 60947-2 rated value</li> </ul>   | 6 kA<br>10 kA   |
| short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value  | 6 kA  |
| rated residual switching capacity (I $\Delta$ m) according to IEC  | 3 kA  |

|  |                                 |              |
|--|---------------------------------|--------------|
| <b>61009-1</b>   |                                 |              |
| <b>energy limitation class</b>   | 3                               |              |
| <b>Dissipation</b>   |                                 |              |
| <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> | 0.75 W                          |              |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>  | 1.5 W                           |              |
| <b>Product details</b>   |                                 |              |
| <b>product feature touch protection</b>  | Yes                             |              |
| product component neutral conductor switching  | Yes                             |              |
| <b>product feature halogen-free</b>  | Yes                             |              |
| <b>product feature silicon-free</b>  | Yes                             |              |
| <b>Product function</b>  |                                 |              |
| <b>product function</b>  | voltage dependent RCD function  |              |
| <b>Connections</b>   |                                 |              |
| <b>connectable conductor cross-section solid</b>   |                                 |              |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>  | 0.75 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>  | 0.75 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>  | 0.75 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>   | Either top or bottom            |              |
| <b>Mechanical Design</b>   |                                 |              |
| <b>height</b>  | 90 mm                           |              |
| <b>width</b>   | 126 mm                          |              |
| <b>depth</b>   | 77 mm                           |              |
| <b>installation depth</b>  | 70 mm                           |              |
| <b>number of modular width units</b>   | 2                               |              |
| <b>mounting position</b>   | any                             |              |
| <b>Net Weight</b>  | 0.79 kg                         |              |
| <b>Environmental conditions</b>  |                                 |              |
| <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>  | 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                              |              |
| <b>Approvals Certificates</b>  |                                 |              |
| <b>Environment</b>   | <b>General Product Approval</b> | <b>other</b> |

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**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=5SU9346-7CR10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU9346-7CR10>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU9346-7CR10](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU9346-7CR10)

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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