

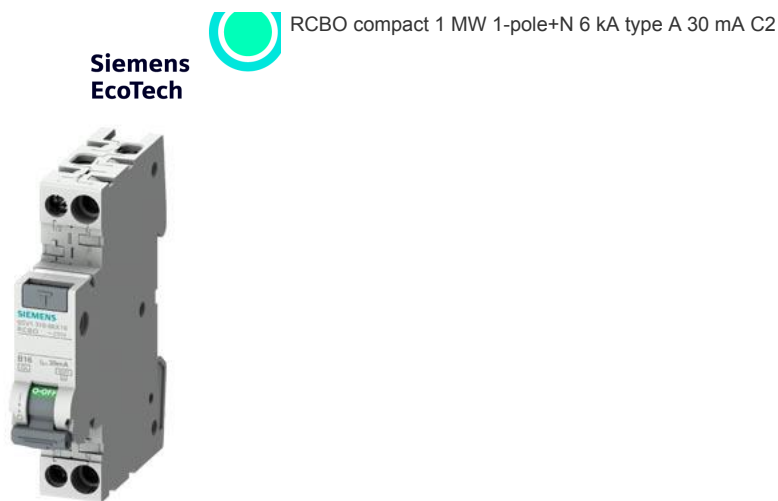


Figure similar

| Model                                    |                                                                         |
|------------------------------------------|-------------------------------------------------------------------------|
| product brand name                       | SENTRON                                                                 |
| product designation                      | RCBO                                                                    |
| design of the product                    | Instantaneous                                                           |
| General technical data                   |                                                                         |
| number of poles                          | 2                                                                       |
| number of poles with protection          | 1                                                                       |
| design of pole                           | 1P+N                                                                    |
| tripping characteristic class            | C                                                                       |
| overvoltage category                     | III                                                                     |
| degree of pollution                      | 2                                                                       |
| Voltage                                  |                                                                         |
| type of voltage of the operating voltage | AC                                                                      |
| insulation voltage (Ui) rated value      | 253 V                                                                   |
| surge voltage resistance rated value     | 4 000 V                                                                 |
| surge current resistance at (8/20) µs    | 1 kA                                                                    |
| tripping fault current rated value       | 30 mA                                                                   |
| operational current                      |                                                                         |
| • at 30 °C rated value                   | 2 A                                                                     |
| • at 40 °C rated value                   | 1.9 A                                                                   |
| • at 45 °C rated value                   | 1.86 A                                                                  |
| • at 50 °C rated value                   | 1.8 A                                                                   |
| • at 55 °C rated value                   | 1.76 A                                                                  |
| • at 60 °C rated value                   | 1.7 A                                                                   |
| • at 65 °C rated value                   | 1.66 A                                                                  |
| • at 70 °C rated value                   | 1.6 A                                                                   |
| • at AC rated value                      | 2 A                                                                     |
| residual current type                    | A                                                                       |
| Supply voltage                           |                                                                         |
| supply voltage                           |                                                                         |
| • at AC rated value                      | 230 V                                                                   |
| • for testing equipment minimum          | 195 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 |

|                                                                                                     |                      |
|-----------------------------------------------------------------------------------------------------|----------------------|
| <b>Breaking Capacity</b>                                                                            |                      |
| <b>short-circuit current breaking capacity (I<sub>cn</sub>) according to EN 61009-1 rated value</b> | 6 kA                 |
| switching capacity current                                                                          |                      |
| • according to EN 60898 rated value                                                                 | 6 kA                 |
| • according to IEC 60947-2 rated value                                                              | 10 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                    |
| <b>Dissipation</b>                                                                                  |                      |
| <b>power loss [W]</b>                                                                               |                      |
| • maximum                                                                                           | 1.3 W                |
| <b>Product details</b>                                                                              |                      |
| <b>product feature touch protection</b>                                                             | Yes                  |
| product component neutral conductor switching                                                       | Yes                  |
| <b>product feature</b>                                                                              |                      |
| • halogen-free                                                                                      | Yes                  |
| • silicon-free                                                                                      | Yes                  |
| <b>Connections</b>                                                                                  |                      |
| <b>connectable conductor cross-section solid</b>                                                    |                      |
| • minimum                                                                                           | 0.75 mm <sup>2</sup> |
| • maximum                                                                                           | 16 mm <sup>2</sup>   |
| <b>connectable conductor cross-section stranded</b>                                                 |                      |
| • minimum                                                                                           | 0.75 mm <sup>2</sup> |
| • maximum                                                                                           | 16 mm <sup>2</sup>   |
| <b>connectable conductor cross-section finely stranded with core end processing</b>                 |                      |
| • minimum                                                                                           | 0.75 mm <sup>2</sup> |
| • maximum                                                                                           | 10 mm <sup>2</sup>   |
| <b>tightening torque with screw-type terminals</b>                                                  |                      |
| • minimum                                                                                           | 1.2 N·m              |
| • maximum                                                                                           | 2 N·m                |
| position of power supply cord                                                                       | Either top or bottom |
| <b>Mechanical Design</b>                                                                            |                      |
| <b>height</b>                                                                                       | 90 mm                |
| <b>width</b>                                                                                        | 18 mm                |
| <b>depth</b>                                                                                        | 77 mm                |
| <b>installation depth</b>                                                                           | 70 mm                |
| <b>number of modular width units</b>                                                                | 1                    |
| <b>mounting position</b>                                                                            | any                  |
| <b>net weight</b>                                                                                   | 132 g                |
| <b>weight with packaging</b>                                                                        | 133 g                |
| <b>Environmental conditions</b>                                                                     |                      |
| <b>influence of the surrounding temperature</b>                                                     | Max. 95% humidity    |
| <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                   |
| <b>Environmental footprint</b>                                                                      |                      |
| Global Warming Potential [CO <sub>2</sub> eq] total                                                 | 17.95026 kg          |
| Global Warming Potential [CO <sub>2</sub> eq] during manufacturing                                  | 1.32 kg              |
| Global Warming Potential [CO <sub>2</sub> eq] during operation                                      | 16.6 kg              |
| Global Warming Potential [CO <sub>2</sub> eq] after end of life                                     | 0.0016 kg            |
| Siemens Eco Profile (SEP)                                                                           | Siemens EcoTech      |
| <b>Approvals Certificates</b>                                                                       |                      |
| <b>General Product Approval</b>                                                                     |                      |



[Confirmation](#)



General Product Approval

Test Certificates

other



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Dangerous goods

Environment

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[Environmental Confirmations](#)

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#### 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=5SV1316-7KK02>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-7KK02>

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

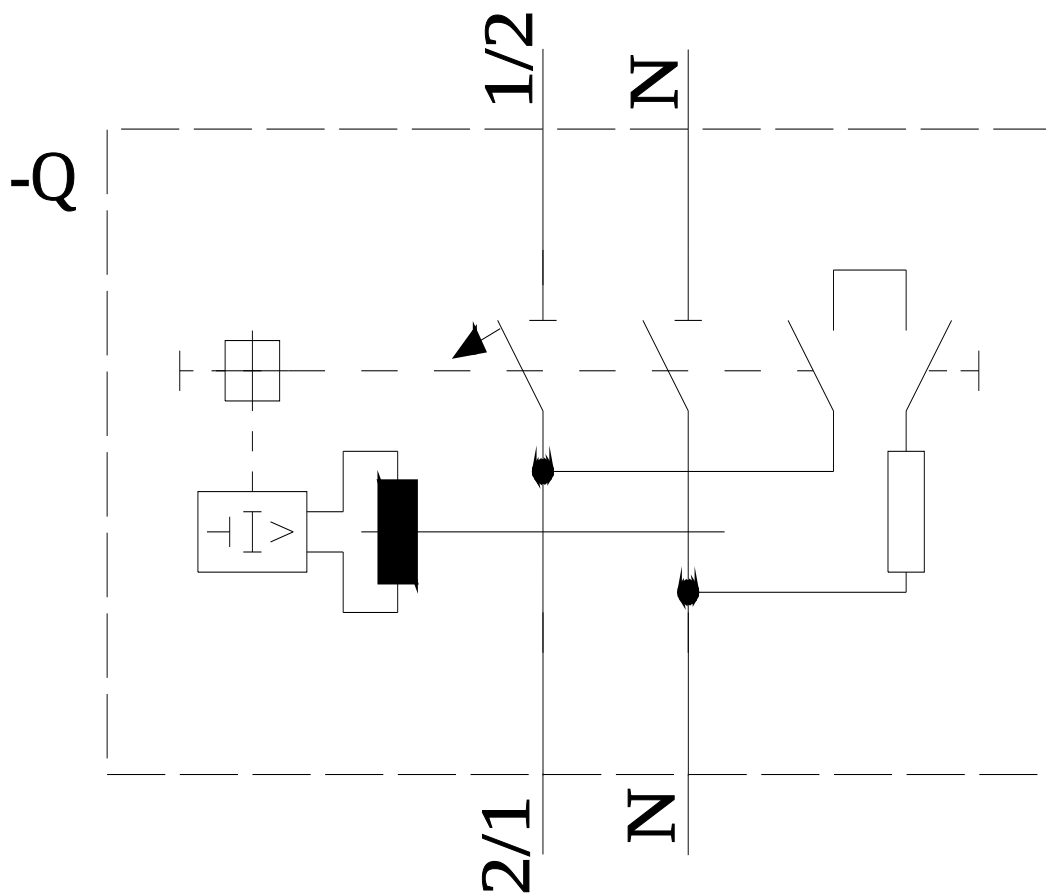
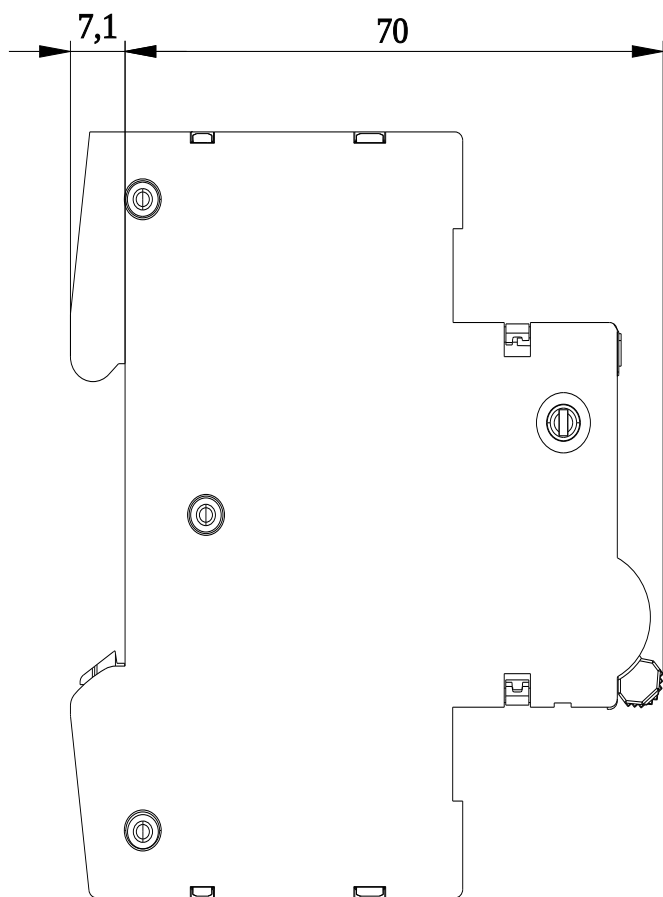
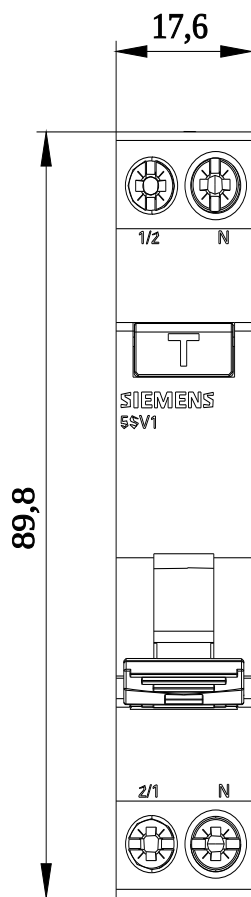
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV1316-7KK02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-7KK02)

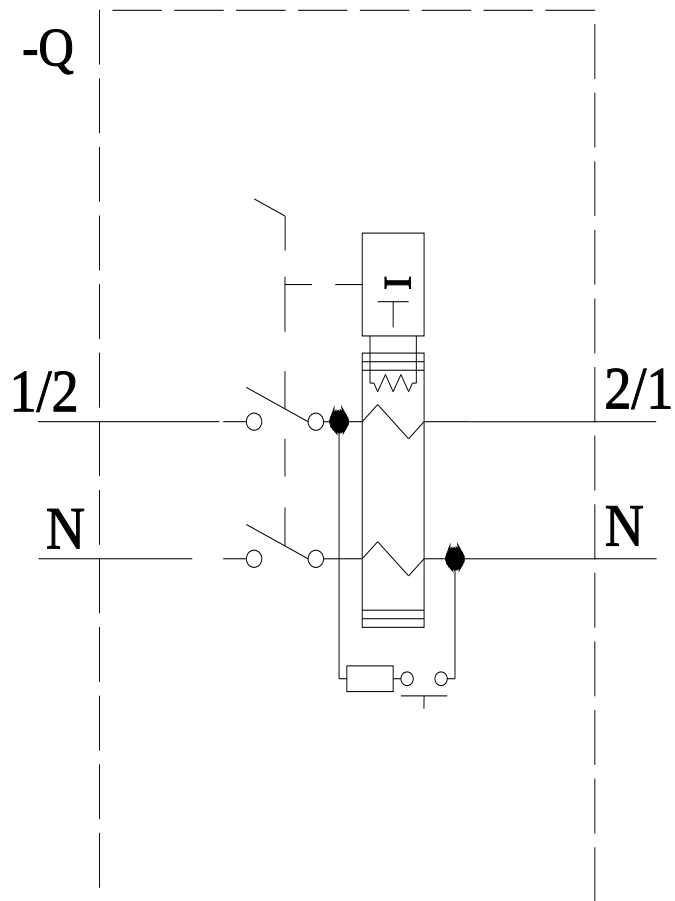
CAX-Online-Generator

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

Tender specifications

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





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12/18/2024 

