



Figure similar

RES.CUR.OP.CIRCUIT BREAKER TYPE A 80A 1+N-  
POLE 30MA 230V 2MW N-LEFT

| Model                                                |    |                                                                         |
|------------------------------------------------------|----|-------------------------------------------------------------------------|
| product brand name                                   |    | SENTRON                                                                 |
| Product designation                                  |    | RCCB                                                                    |
| Design of the product                                |    | Instantaneous                                                           |
| Product variations                                   |    | N left                                                                  |
| General technical data                               |    |                                                                         |
| Number of poles                                      |    | 2                                                                       |
| Size of installation devices / acc. to DIN 43880     |    | 1                                                                       |
| Protection against electrical shock                  |    | Finger and back-of-hand safe                                            |
| Short-circuit current rating                         | kA | 10                                                                      |
| circuit-breaker / Design                             |    | 5SV3                                                                    |
| Mechanical service life (switching cycles) / typical |    | 10 000                                                                  |
| Overvoltage category                                 |    | III                                                                     |
| Supply voltage                                       |    |                                                                         |
| Supply voltage                                       |    |                                                                         |
| • with AC / Rated value                              | V  | 230                                                                     |
| • for testing equipment / minimum                    | V  | 195                                                                     |
| Protection class                                     |    |                                                                         |
| Protection class IP                                  |    | IP20, if the distribution board is installed, with connected conductors |
| Switching capacity                                   |    |                                                                         |
| Switching capacity current                           |    |                                                                         |
| • acc. to EN 60898 / Rated value                     | kA | 0.8                                                                     |

| Dissipation                                                                                                                    |                 |                |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| <b>Active power loss</b>                                                                                                       |                 |                |
| <ul style="list-style-type: none"> <li>for rated value of the current / with AC / in hot operating state / per pole</li> </ul> | W               | 5.3            |
| Electricity                                                                                                                    |                 |                |
| <b>Tripping residual current / Rated value</b>                                                                                 | mA              | 30             |
| rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 °C                                                                         | A               | 80             |
| <b>Type of fault current</b>                                                                                                   |                 | A              |
| Current / with AC / Rated value                                                                                                | A               | 80             |
| Surge current resistance / Rated value                                                                                         | kA              | 1              |
| Product details                                                                                                                |                 |                |
| <b>Product property</b>                                                                                                        |                 |                |
| <ul style="list-style-type: none"> <li>halogen-free</li> </ul>                                                                 |                 | Yes            |
| <ul style="list-style-type: none"> <li>silicon-free</li> </ul>                                                                 |                 | Yes            |
| Product expansion / can be installed / supplementary devices                                                                   |                 | Yes            |
| Number                                                                                                                         |                 |                |
| <b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>                                              |                 | 28             |
| Connections                                                                                                                    |                 |                |
| <b>Connectable conductor cross-section / stranded</b>                                                                          |                 |                |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                                                                      | mm <sup>2</sup> | 0.75           |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                                                                      | mm <sup>2</sup> | 35             |
| <b>Connectable conductor cross-section / solid</b>                                                                             |                 |                |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                                                                      | mm <sup>2</sup> | 0.75           |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                                                                      | mm <sup>2</sup> | 35             |
| <b>Tightening torque / with screw-type terminals</b>                                                                           |                 |                |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                                                                      | N·m             | 2.5            |
| <ul style="list-style-type: none"> <li>maximum</li> </ul>                                                                      | N·m             | 3              |
| Position / of power supply cord                                                                                                |                 | top or bottom  |
| Mechanical Design                                                                                                              |                 |                |
| <b>Height</b>                                                                                                                  | mm              | 90             |
| <b>Width</b>                                                                                                                   | mm              | 36             |
| <b>Depth</b>                                                                                                                   | mm              | 70             |
| <b>mounting position</b>                                                                                                       |                 | any            |
| <b>Installation depth</b>                                                                                                      | mm              | 70             |
| <b>Number of width units</b>                                                                                                   |                 | 2              |
| <b>Mounting type</b>                                                                                                           |                 | DIN rail (REG) |
| Environmental conditions                                                                                                       |                 |                |
| <b>Ambient temperature</b>                                                                                                     |                 |                |
| <ul style="list-style-type: none"> <li>minimum</li> </ul>                                                                      | °C              | -25            |

- maximum
- during storage / minimum permissible
- during storage / maximum permissible

|    |     |
|----|-----|
| °C | 45  |
| °C | -40 |
| °C | 75  |

## Certificates

### Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

F  
F

### General Product Approval

### Declaration of Conformity



ÖVE



[other](#)



EG-Konf.

## Further information

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

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

### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SV33176KL>

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

<http://support.automation.siemens.com/WW/view/en/5SV33176KL/all>

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

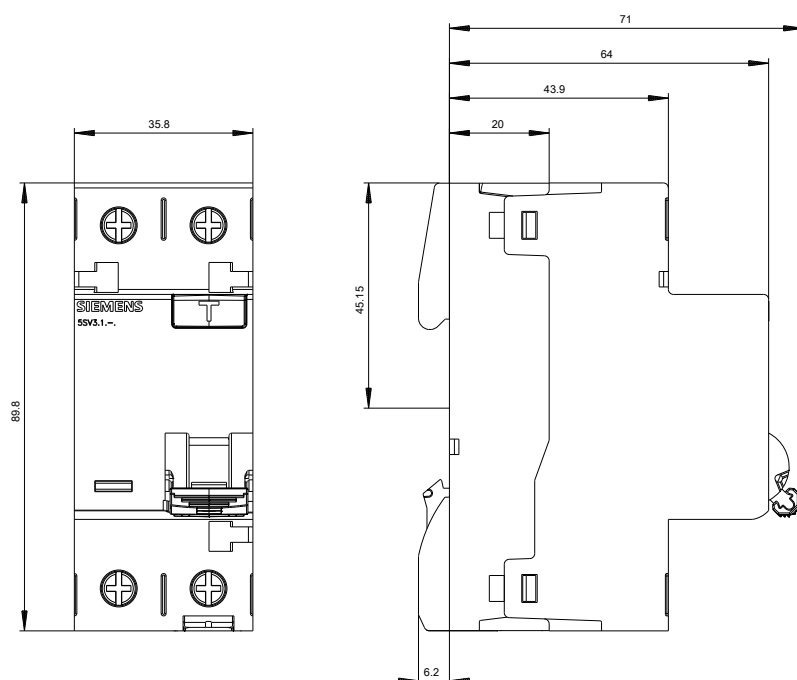
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV33176KL](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV33176KL)

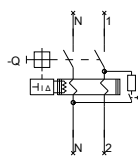
### CAX-Online-Generator

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

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>





Siemens

5SV(3,4)x1x-x

Format / Size: Hybrid quer

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