SIEMENS

## Data sheet 5SV1316-1KK02

RCBO compact 1P+N 6 kA type AC 30 mA C2




| Model | |
|---|---|
| Product brand name | SENTRON |
| Product designation | RCBO |
| Design of the product | Instantaneous |

| General technical data | |
|---|---|
| Number of poles | 2 |
| Number of poles / Note | 1P+N |
| Number of poles / with protection | 1 |
| Tripping characteristic class | C |
| circuit-breaker / Design | 5SV1 |
| Overvoltage category | III |
| Degree of pollution | 2 |

| Supply voltage | |
|---|---|
| Type of voltage | AC |
| Operating current / at AC / rated value | 2 A |
| Supply voltage | |
| • at AC / rated value | 230 V |
| • for testing equipment / minimum | 195 V |


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| | |
|---|---|
| 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 |

| Switching capacity | |
|---|---|
| Breaking capacity short-circuit current (Icn) / according to EN 61009-1 / rated value | 6 kA |
| Switching capacity current | |
| • acc. to EN 60898 / rated value | 6 kA |
| • acc. to IEC 60947-2 / rated value | 10 kA |
| Rated residual switching capacity (IΔm) / according to IEC 61009-1 | 4.5 kA |
| Energy limiting class | 3 |

| Dissipation | |
|---|---|
| Power loss [W] | |
| • for rated value of the current / at AC / in hot operating state / per pole | 0.65 W |
| • maximum | 1.3 W |

| Current | |
|---|---|
| Tripping residual current / rated value | 30 mA |
| Tripping residual / rated value / derated current | |
| • at 30 Cel | 2 A |
| • at 40 Cel | 1.9 A |
| • at 45 Cel | 1.86 A |
| • at 50 Cel | 1.8 A |
| • at 55 Cel | 1.76 A |
| • at 60 Cel | 1.7 A |
| • at 65 Cel | 1.66 A |
| • at 70 Cel | 1.6 A |
| Type of fault current | AC |

| Product details | |
|---|---|
| Product function / neutral conductor switching | Yes |
| Product feature / Touch protection | Yes |
| Product feature | |
| • halogen-free | Yes |
| • silicon-free | Yes |

| Connections | |
|---|---|
| Connectable conductor cross-section / solid | |
| • minimum | 0.75 mm² |


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| | |
|---|---|
| • maximum | 16 mm² |
| Connectable conductor cross-section / stranded | |
| • minimum | 0.75 mm² |
| • maximum | 16 mm² |
| Connectable conductor cross-section / finely stranded / with core end processing | |
| • minimum | 0.75 mm² |
| • maximum | 10 mm² |
| Tightening torque / with screw-type terminals | |
| • minimum | 1.2 N·m |
| • maximum | 2 N·m |
| Position / of power supply cord | Either top or bottom |

## Mechanical Design

| | |
|---|---|
| Height | 90 mm |
| Width | 18 mm |
| Depth | 77 mm |
| Installation depth | 70 mm |
| Number of width units | 1 |
| Mounting position | any |
| Net weight | 117 g |

## Environmental conditions

| | |
|---|---|
| Influence of the surrounding temperature | Max. 95% humidity |
| Ambient temperature | |
| • minimum | -25 °C |
| • maximum | 45 °C |
| Ambient temperature / during storage | |
| • minimum | -40 °C |
| • maximum | 75 °C |
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 | 28 |

## Certificates

| | |
|---|---|
| Reference code | |
| • acc. to DIN EN 61346-2 | F |
| • acc. to DIN EN 81346-2 | F |

| General Product Approval | Declaration of Conformity | Test Certificates | other |
|---|---|---|---|
| VDE | EG-Konf. | Special Test Certificate | Miscellaneous |


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## Further information

**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/lowvoltage/catalogs

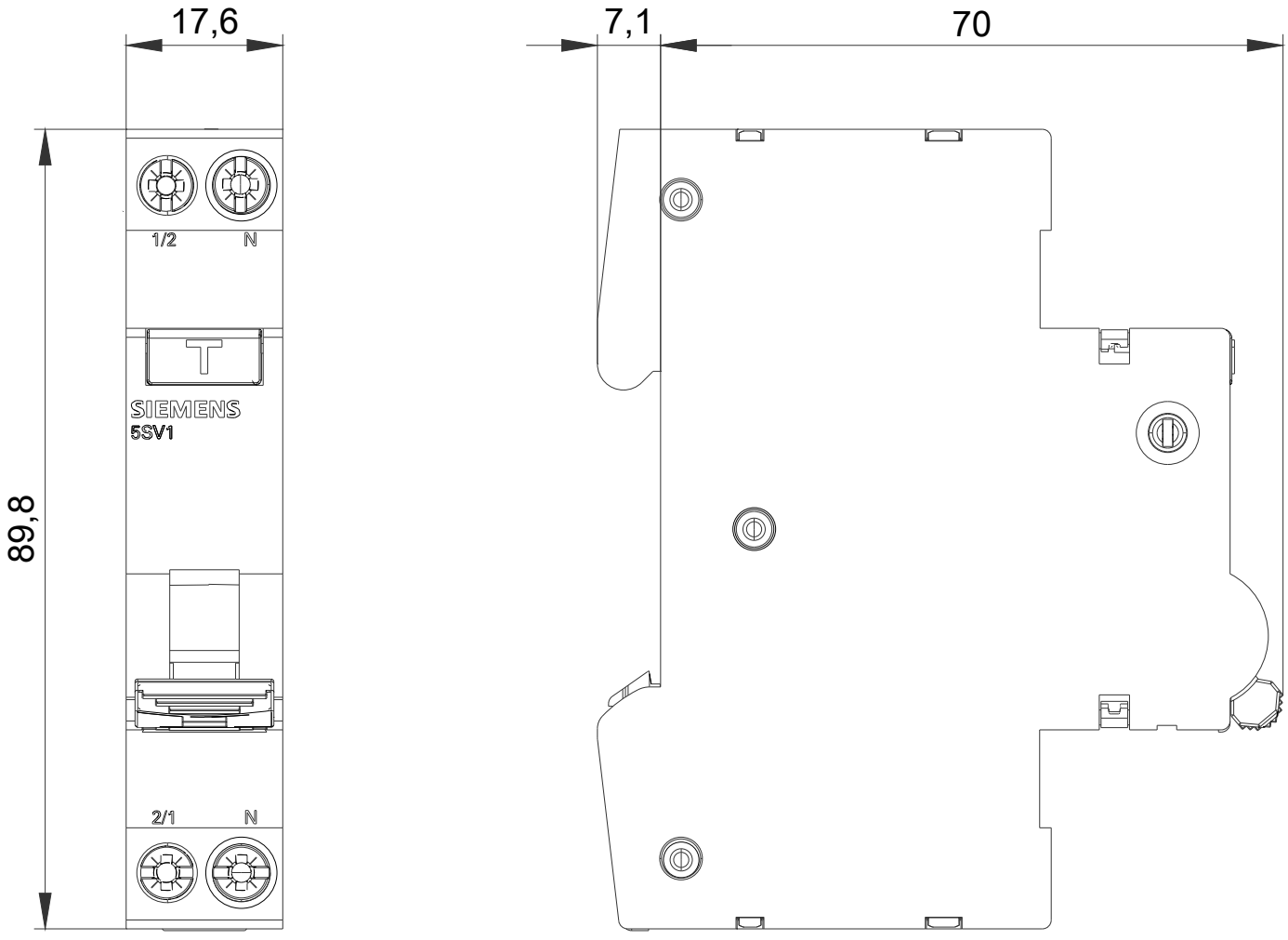
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV1316-1KK02

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-1KK02

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-1KK02

**CAx-Online-Generator**
http://www.siemens.com/cax

**Tender specifications**
http://www.siemens.com/specifications





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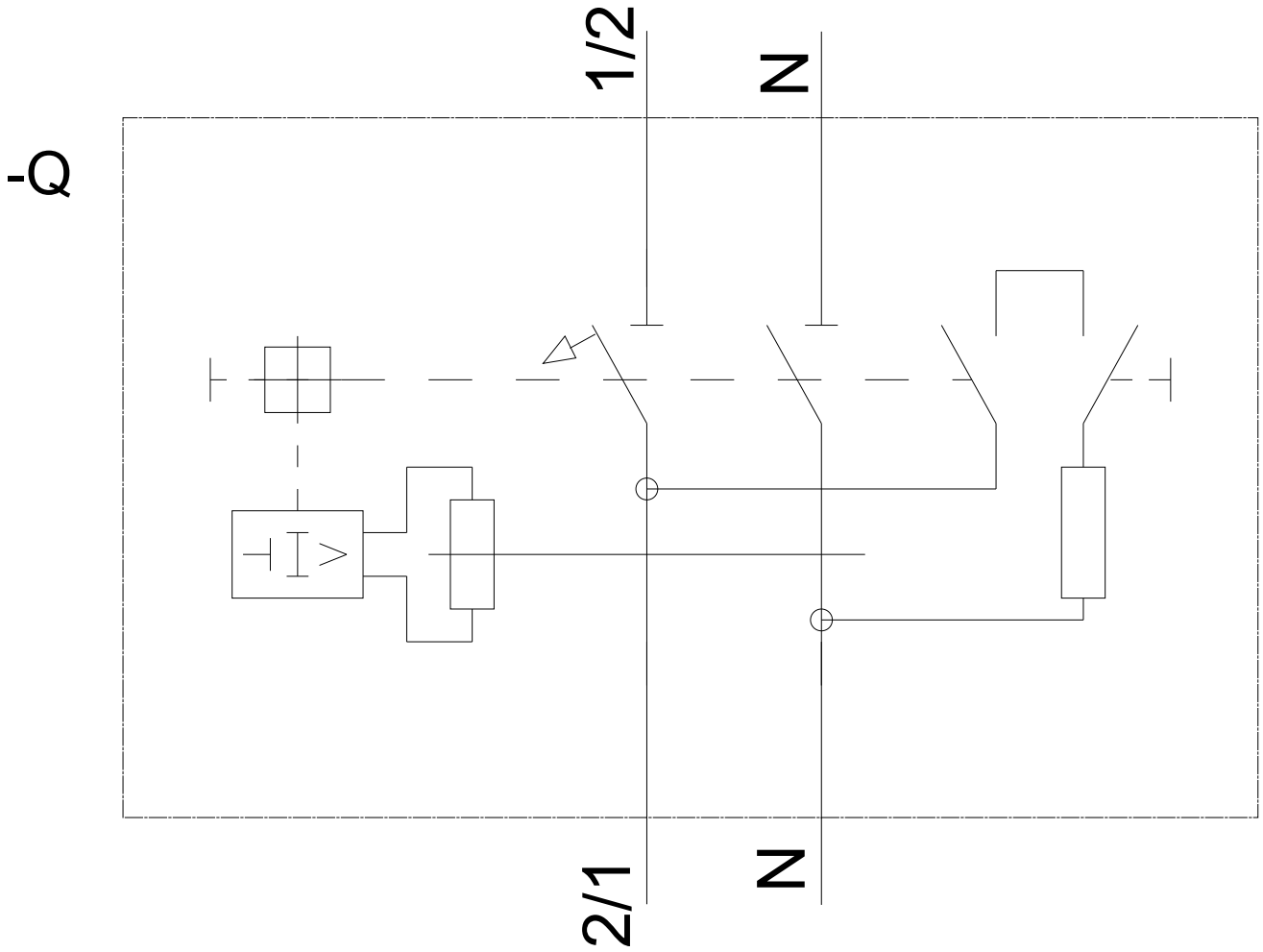



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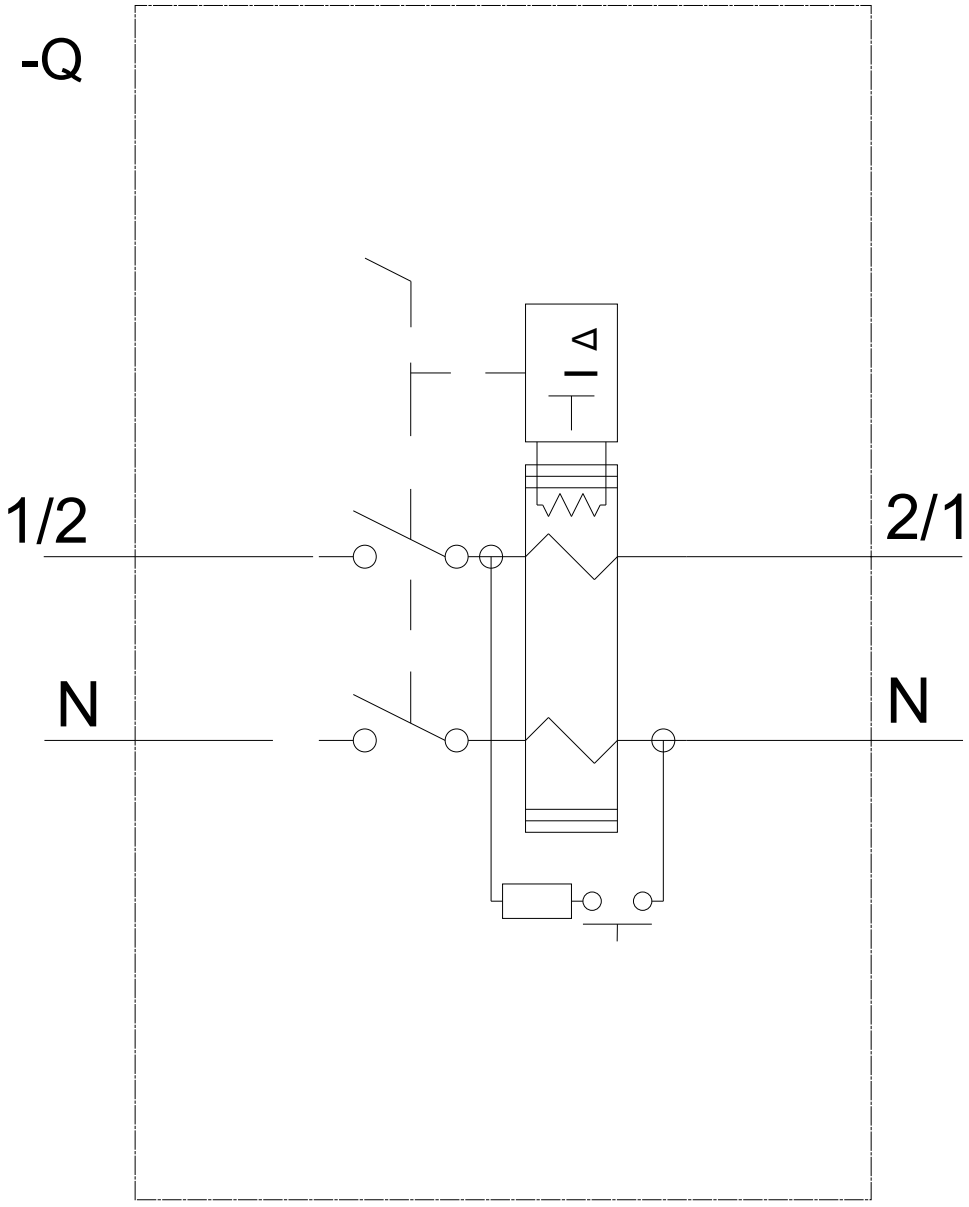



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