SIEMENS

## Data sheet 5SV3344-6KK01

Residual current operated circuit breaker, 4-pole, type A, super resistant, In: 40 A, 30 mA, Un AC: 400 V

| | |
|---|---|
| **Model** | |
| **product brand name** | SENTRON |
| **product designation** | RCCB |
| **design of the product** | Short-time delayed |
| **product type designation** | 5SV3 |
| **General technical data** | |
| **number of poles** | 4 |
| **size of installation devices according to DIN 43880** | 1 |
| mechanical service life (operating cycles) typical | 10 000 |
| **short-circuit current of series fuse maximum permissible** | 100 A |
| **short-circuit current rating** | 10 kA |
| **switching function short-term delayed** | Yes |
| **overvoltage category** | III |
| insulation voltage (Ui) rated value | 2 000 V |
| **tripping fault current rated value** | 30 mA |
| **let-through current permissible** | 5 200 A |
| **I2t value permissible** | 58 000 A²·s |
| **Supply voltage** | |
| supply voltage for testing equipment minimum | 195 V |
| **value range of the supply voltage frequency** | 50 Hz |
| **value range of the operating frequency** | 50/60 Hz |
| **value range of the supply voltage at AC** | 400 V |
| **Protection class** | |
| **protection class IP** | IP20, if the distribution board is installed, with connected conductors |
| **Breaking Capacity** | |
| switching capacity current | |
| ● according to IEC 61008-1 rated value | 0.8 kA |
| **grid spacing** | 60 mm |
| **Dissipation** | |
| **power loss [W]** | |
| ● for rated value of the current at AC in hot operating state per pole | 1.8 W |
| ● maximum | 5.4 W |
| **Product details** | |
| product feature silicon-free | Yes |
| product extension installable supplementary devices | Yes |
| **Connections** | |
| **connectable conductor cross-section solid** | |
| ● minimum | 0.75 mm² |
| ● maximum | 35 mm² |

| | |
|---|---|
| **connectable conductor cross-section stranded** | |
| ● minimum | 0.75 mm² |
| ● maximum | 35 mm² |
| **tightening torque with screw-type terminals** | |
| ● minimum | 2.5 N·m |
| ● maximum | 3 N·m |
| position of power supply cord | top or bottom |

## Mechanical Design

| | |
|---|---|
| **height** | 90 mm |
| **width** | 72 mm |
| **depth** | 70 mm |
| **installation depth** | 70 mm |
| **number of modular width units** | 4 |
| **fastening method** | DIN rail (REG) |
| **mounting position** | any |
| **net weight** | 377 g |

## Environmental conditions

| | |
|---|---|
| **ambient temperature during operation** | |
| ● minimum | -25 °C |
| ● maximum | 45 °C |
| ambient temperature during storage minimum | -40 °C |
| **number of test cycles for environmental testing according to IEC 60068-2-30** | 28 |

## Environmental footprint

| | |
|---|---|
| Global Warming Potential [CO2 eq] total | 63.8 kg |
| Global Warming Potential [CO2 eq] during manufacturing | 1.98 kg |
| Global Warming Potential [CO2 eq] during operation | 61.7 kg |
| Global Warming Potential [CO2 eq] after end of life | 0.106 kg |

## Approvals Certificates

### General Product Approval

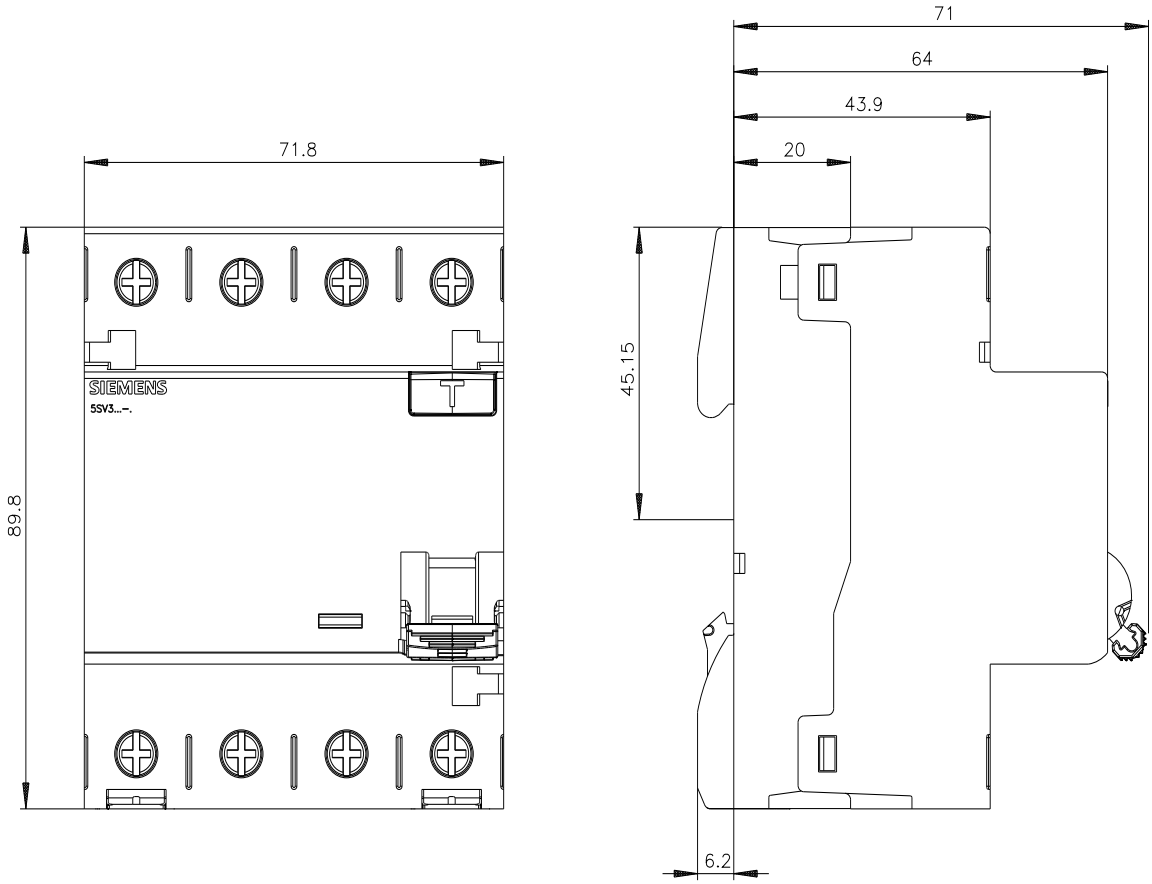
CCC EG-Konf. UKCA Confirmation ÖVE VDE

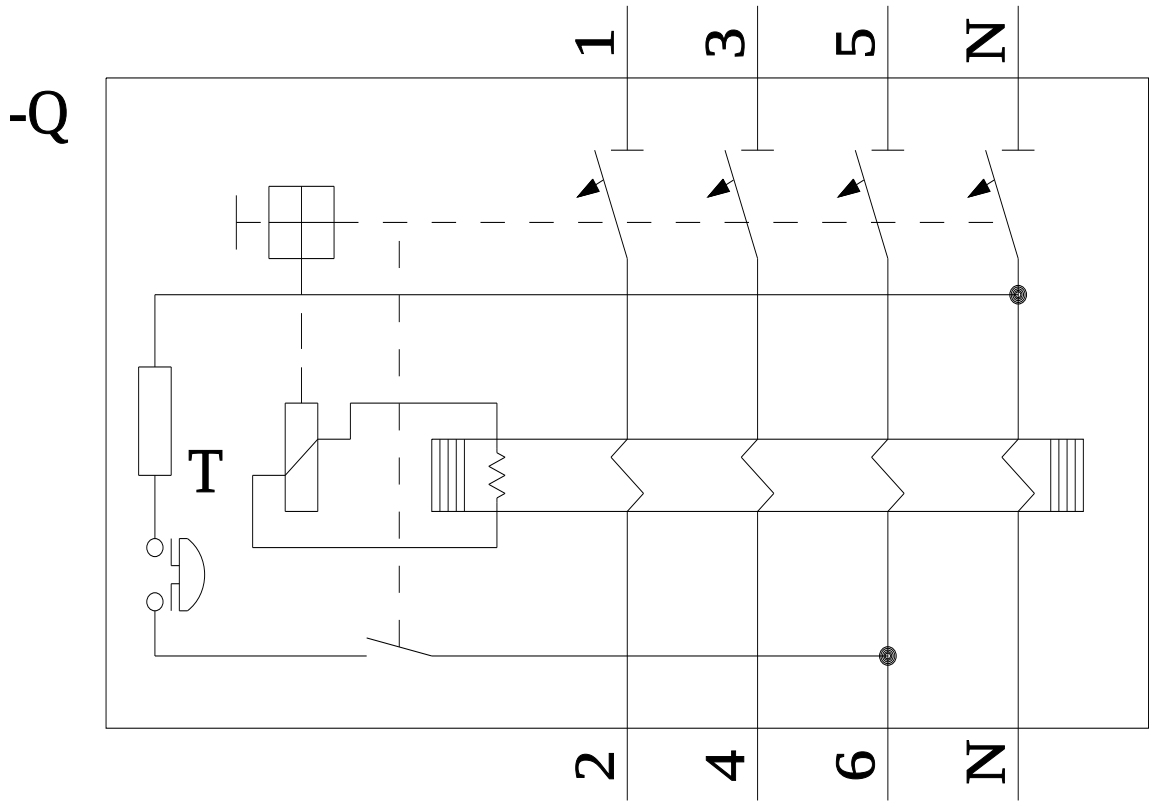
| General Product Approval | | Test Certificates | other | | Railway |
|---|---|---|---|---|---|
| Miscellaneous | EAC | Miscellaneous | Confirmation | Miscellaneous | Special Test Certific-ate |

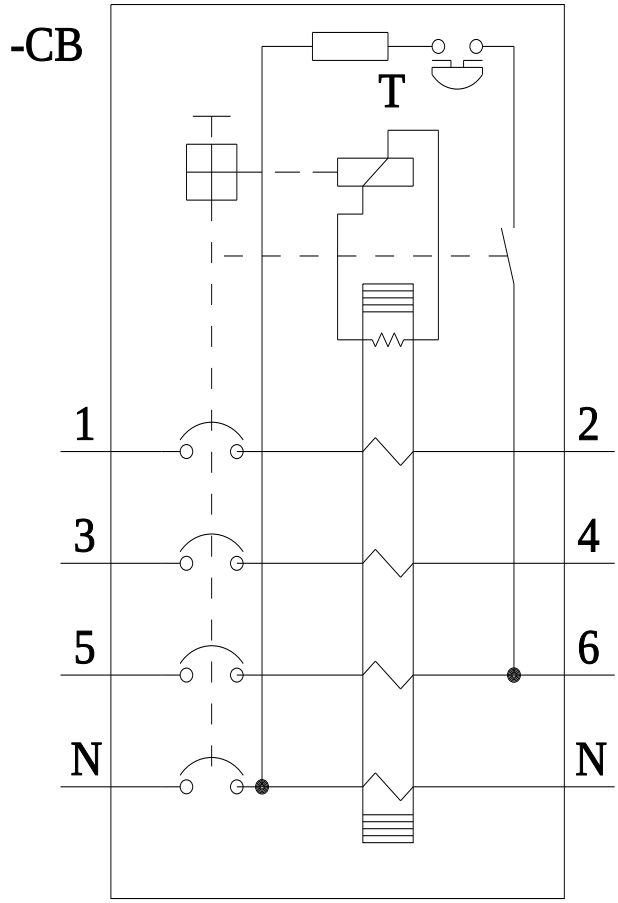
| Dangerous goods | Environment | | |
|---|---|---|---|
| Transport Information | EPD | Environmental Con-firmations | Environmental Con-firmations |

## 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=5SV3344-6KK01
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SV3344-6KK01
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3344-6KK01
**CAx-Online-Generator**
http://www.siemens.com/cax



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