



Figure similar

RES.CUR.OP.CIRCUIT BREAKER TYPE AC 80A 3+N-POLE 100MA 415V 4MW
INDIA

| Model | |
|--|---|
| product brand name | SENTRON |
| product designation | RCCB |
| design of the product | Instantaneous |
| product type designation | 5SV4 |
| 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 rating | 10 kA |
| switching function short-term delayed | No |
| overvoltage category | III |
| insulation voltage (Ui) rated value | 2 000 V |
| tripping fault current rated value | 100 mA |
| Supply voltage | |
| supply voltage for testing equipment minimum | 100 V |
| value range of the supply voltage frequency | 50 Hz |
| value range of the operating frequency | 50 Hz |
| value range of the supply voltage at AC | 240/415 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 | 4.1 W |
| • maximum | 12.3 W |
| Product details | |
| product feature silicon-free | Yes |
| product extension installable supplementary devices | Yes |
| Connections | |
| connectable conductor cross-section solid | |
| • minimum | 0.75 mm ² |
| • maximum | 35 mm ² |
| connectable conductor cross-section stranded | |
| • minimum | 0.75 mm ² |

| | |
|---|--------------------|
| <ul style="list-style-type: none"> • maximum | 35 mm ² |
| tightening torque with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum | 2.5 N·m |
| <ul style="list-style-type: none"> • 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 | 367 g |

Environmental conditions

| | |
|---|--------|
| ambient temperature during operation | |
| <ul style="list-style-type: none"> • minimum | -25 °C |
| <ul style="list-style-type: none"> • maximum | 45 °C |
| ambient temperature during storage minimum | -40 °C |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28 |

Approvals Certificates

| General Product Approval | Test Certificates |
|--------------------------|-------------------|
|--------------------------|-------------------|



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[Miscellaneous](#)



[Miscellaneous](#)

| other | Railway | Dangerous goods | Environment |
|-------|---------|-----------------|-------------|
|-------|---------|-----------------|-------------|

[Miscellaneous](#)

[Confirmation](#)

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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=5SV4447-0RC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV4447-0RC>

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

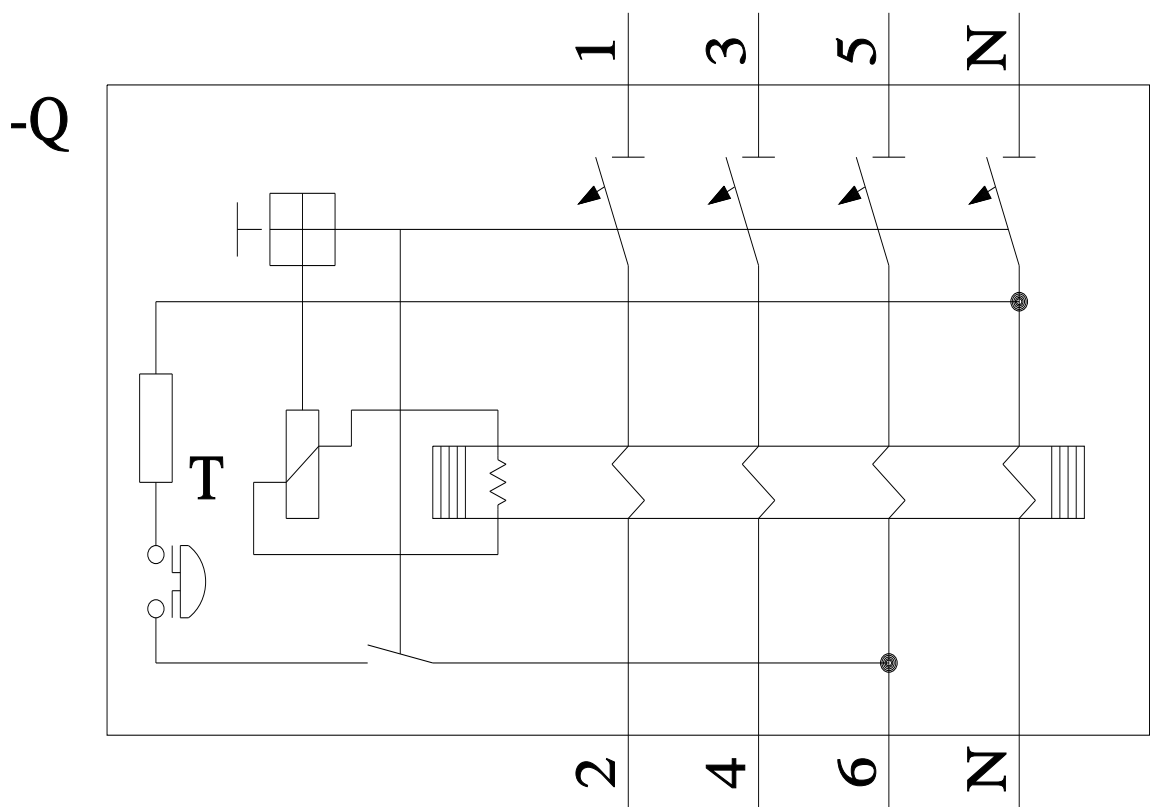
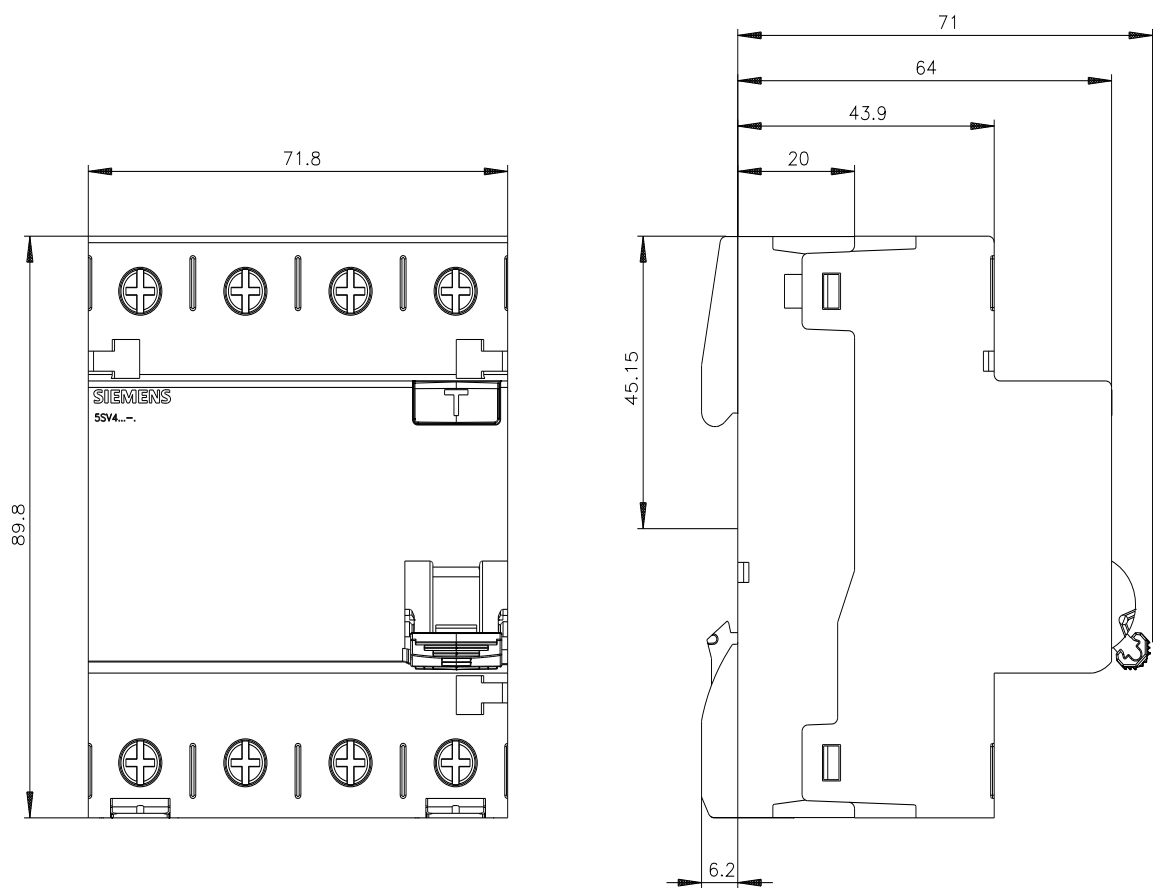
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4447-0RC

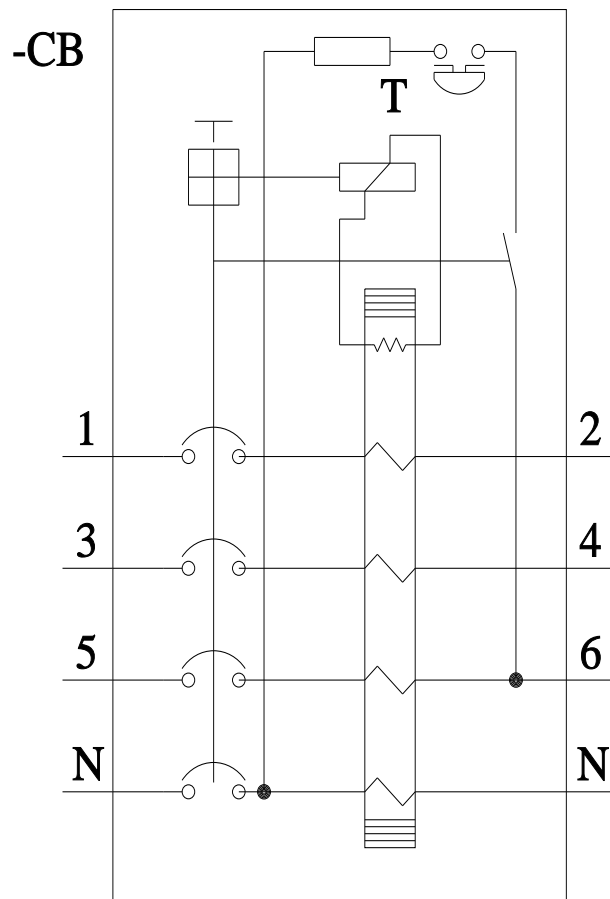
CAX-Online-Generator

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

Tender specifications

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





last modified:

7/5/2024 

