



RCBO, 6 kA, 3P+N, Type AC, 30 mA, C-Char, In: 25 A, Un AC: 400 V



| Model | |
|--|---|
| product brand name | SENTRON |
| product designation | RCD-operated circuit breaker |
| design of the product | Instantaneous |
| General technical data | |
| number of poles | 4 |
| number of poles with protection | 4 |
| design of pole | 4P |
| tripping characteristic class | C |
| mechanical service life (operating cycles) typical | 10 000 |
| overvoltage category | 3 |
| degree of pollution | 2 |
| Voltage | |
| type of voltage of the operating voltage | AC |
| insulation voltage (Ui) rated value | 440 V |
| surge voltage resistance rated value | 4 000 V |
| surge current resistance at (8/20) μ s | 1 kA |
| tripping fault current rated value | 30 mA |
| <ul style="list-style-type: none"> • operational current <ul style="list-style-type: none"> — at 30 °C rated value — at 40 °C rated value — at 45 °C rated value — at 50 °C rated value — at 55 °C rated value • operational current at AC rated value | 25 A 23.3 A 22 A 21.5 A 20.8 A 25 A |
| residual current type | AC |
| Supply voltage | |
| supply voltage <ul style="list-style-type: none"> • at AC rated value • for testing equipment minimum | 400 V 125 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 |
| Breaking Capacity | |
| switching capacity current <ul style="list-style-type: none"> • according to EN 60898 rated value • according to IEC 60947-2 rated value | 6 kA 6 kA |

| | | |
|--|---|------------------------------|
| short-circuit current breaking capacity (I _{cn}) according to EN 61009-1 rated value | 6 kA | |
| rated residual switching capacity (I _{Δm}) according to IEC 61009-1 | 3 kA | |
| energy limitation class | 3 | |
| Dissipation | | |
| power loss [W] | | |
| • for rated value of the current at AC in hot operating state per pole | 0.75 W | |
| • maximum | 2.3 W | |
| Product details | | |
| product feature touch protection | Yes | |
| product component neutral conductor switching | Yes | |
| product feature halogen-free | Yes | |
| product feature silicon-free | Yes | |
| Product function | | |
| product function | voltage dependent RCD function | |
| 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 | |
| • maximum | 35 mm ² | |
| connectable conductor cross-section finely stranded with core end processing | | |
| • minimum | 0.75 mm ² | |
| • maximum | 25 mm ² | |
| tightening torque with screw-type terminals | | |
| • minimum | 2.5 N·m | |
| • maximum | 3 N·m | |
| position of power supply cord | Either top or bottom | |
| Mechanical Design | | |
| height | 90 mm | |
| width | 126 mm | |
| depth | 77 mm | |
| installation depth | 70 mm | |
| number of modular width units | 7 | |
| mounting position | any | |
| Net Weight | 500 g | |
| Environmental conditions | | |
| influence of the surrounding temperature | Max. 95% humidity | |
| ambient temperature during operation | | |
| • minimum | -25 °C | |
| • maximum | 45 °C | |
| ambient temperature during storage | | |
| • minimum | -40 °C | |
| • maximum | 75 °C | |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28 | |
| Approvals Certificates | | |
| Environment | General Product Approval | other |
| Environmental Confirmations | Environmental Confirmations | Confirmation |
|  |  | |
| other | | |



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU9346-1CR25>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU9346-1CR25>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU9346-1CR25

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

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