



RCBO, 6 kA, 4P Type A, 30 mA, B-Char, In: 16A Un: 400V

| Model | |
|--|--|
| product brand name | SENTRON |
| product designation | RCBO |
| 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 | B |
| mechanical service life (operating cycles) typical | 10 000 |
| overvoltage category | 3 |
| degree of pollution | 3 |
| Voltage | |
| type of voltage of the operating voltage | AC |
| insulation voltage (Ui) rated value | 500 V |
| surge voltage resistance rated value | 4 000 V |
| surge current resistance at (8/20) μ s | 0.25 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 — at 60 °C rated value — at 70 °C rated value • operational current at AC rated value | <ul style="list-style-type: none"> 16 A 15.2 A 14.8 A 14.3 A 13.9 A 13.4 A 12.5 A 16 A |
| residual current type | A |
| Supply voltage | |
| supply voltage <ul style="list-style-type: none"> • at AC rated value • for testing equipment minimum | <ul style="list-style-type: none"> 400 V 195 V |
| 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 |
| Breaking Capacity | |
| switching capacity current <ul style="list-style-type: none"> • according to EN 60898 rated value | 6 kA |

| | |
|---|---|
| <ul style="list-style-type: none"> • according to IEC 60947-2 rated value | 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 | 4.5 kA |
| energy limitation class | 3 |
| Dissipation | |
| power loss [W] | |
| <ul style="list-style-type: none"> • maximum | 2.3 W |
| Product details | |
| product feature touch protection | Yes |
| product component neutral conductor switching | Yes |
| product feature halogen-free | No |
| Connections | |
| connectable conductor cross-section solid | |
| <ul style="list-style-type: none"> • minimum • maximum | 1 mm ² 35 mm ² |
| connectable conductor cross-section stranded | |
| <ul style="list-style-type: none"> • minimum • maximum | 1 mm ² 35 mm ² |
| connectable conductor cross-section finely stranded with core end processing | |
| <ul style="list-style-type: none"> • minimum • maximum | 1 mm ² 35 mm ² |
| tightening torque with screw-type terminals | |
| <ul style="list-style-type: none"> • minimum • maximum | 2 N·m 2 N·m |
| position of power supply cord | Either top or bottom |
| Mechanical Design | |
| height | 85 mm |
| width | 72 mm |
| depth | 72 mm |
| installation depth | 70 mm |
| number of modular width units | 4 |
| mounting position | any |
| Net Weight | 456 g |
| weight with packaging | 574 g |
| Environmental conditions | |
| influence of the surrounding temperature | Max. 95% humidity |
| ambient temperature during operation | |
| <ul style="list-style-type: none"> • minimum • maximum | -25 °C 40 °C |
| ambient temperature during storage | |
| <ul style="list-style-type: none"> • minimum • maximum | -40 °C 70 °C |
| number of test cycles for environmental testing according to IEC 60068-2-30 | 28 |
| Environmental footprint | |
| Environmental Product Declaration (EPD) | Yes |
| global warming potential [CO ₂ eq] total | 13.9 kg |
| global warming potential [CO ₂ eq] during manufacturing | 3.2 kg |
| global warming potential [CO ₂ eq] during operation | 10.8 kg |
| global warming potential [CO ₂ eq] after end of life | -0.161 kg |
| Approvals Certificates | |
| General Product Approval | other |



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Environment

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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=5SU1346-6FP16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-6FP16>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1346-6FP16

CAX-Online-Generator

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

Tender specifications

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



