



Figure similar

RCBO, Icn: 10 kA, 2P, type A, 30 mA, C-Char, In: 40 A, Un AC: 110 V

| Model | |
|--|--|
| product brand name | SENTRON |
| product designation | RCBO |
| design of the product | Instantaneous |
| General technical data | |
| number of poles | 2 |
| number of poles with protection | 2 |
| design of pole | 2P |
| 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 | 264 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 — 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 65 °C rated value — at 70 °C rated value • operational current at AC rated value | 40 A 37.6 A 36.4 A 34.8 A 32.4 A 32.4 A 30.8 A 29.2 A 40 A |
| residual current type | A |
| Supply voltage | |
| supply voltage | |
| <ul style="list-style-type: none"> • at AC rated value • for testing equipment minimum | 110/120 V 100 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 | |
| • according to EN 60898 rated value | 10 kA |
| • according to IEC 60947-2 rated value | 15 kA |
| short-circuit current breaking capacity (I_{cn}) according to EN 61009-1 rated value | 10 kA |
| rated residual switching capacity (I_{Δm}) according to IEC 61009-1 | 10 kA |
| energy limitation class | 3 |

| Dissipation | |
|-----------------------|--------|
| power loss [W] | |
| • maximum | 10.9 W |

| Product details | |
|---|-----|
| product feature touch protection | Yes |
| product component neutral conductor switching | Yes |
| product feature halogen-free | Yes |
| product feature silicon-free | 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 |
| • 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 | 54 mm |
| depth | 77 mm |
| installation depth | 70 mm |
| number of modular width units | 3 |
| mounting position | any |
| Net Weight | 416 g |
| weight with packaging | 420 g |

| Environmental conditions | |
|--|-------------------|
| influence of the surrounding temperature | Max. 95% humidity |
| ambient temperature during operation | |
| • minimum | -25 °C |
| • maximum | 55 °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 | | |
|--------------------------|-------------------|-------|
| General Product Approval | Test Certificates | other |



EG-Konf.



[Miscellaneous](#)



[Special Test Certificate](#)

[Confirmation](#)

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



[Miscellaneous](#)

[Miscellaneous](#)

[Special Test Certificate](#)

[Confirmation](#)

[Transport Information](#)

Environment

[Environmental Confirmations](#)

[Environmental Confirmations](#)

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=5SU1324-7KX40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1324-7KX40>

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

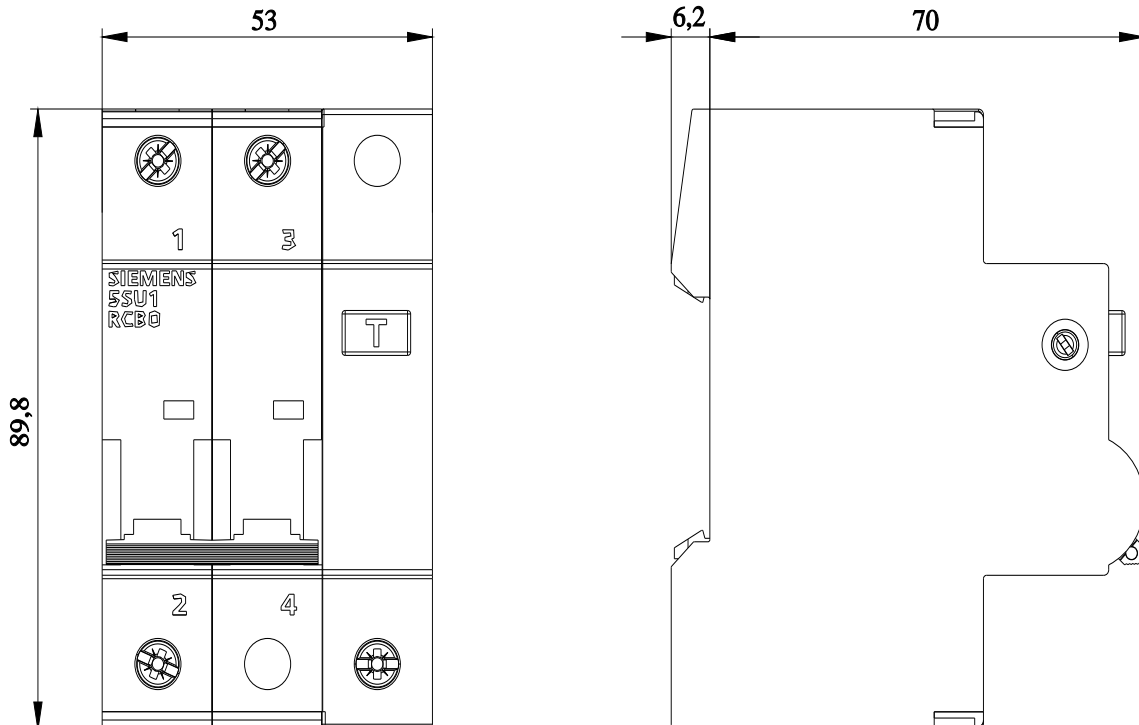
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1324-7KX40

CAX-Online-Generator

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

Tender specifications

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



last modified:

7/22/2025

