



RCBO, 6 kA, 3P Type A, 30 mA, C-Char, In: 25A Un: 400V Energy limiting class 1: check for normative use limitations

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	3
number of poles with protection	3
design of pole	3P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
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) $\mu$ s	0.25 kA
tripping fault current rated value	30 mA
operational current	
• at 30 °C rated value	25 A
• at 40 °C rated value	24 A
• at 45 °C rated value	23.5 A
• at 50 °C rated value	23 A
• at 55 °C rated value	22.5 A
• at 60 °C rated value	22 A
• at 70 °C rated value	21 A
• at AC rated value	25 A
residual current type	A
Supply voltage	
supply voltage	
• at AC rated value	400 V
• for testing equipment minimum	340 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	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	6 kA
switching capacity current	

<ul style="list-style-type: none"> <li>• according to EN 60898 rated value</li> </ul>	6 kA
<ul style="list-style-type: none"> <li>• according to IEC 60947-2 rated value</li> </ul>	6 kA
rated residual switching capacity (I $\Delta$ m) according to IEC 61009-1	4.5 kA
energy limitation class	1

#### Dissipation

power loss [W]	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	2.9 W

#### Product details

product feature touch protection	Yes
product component neutral conductor switching	No
<b>product feature</b>	
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	No

#### Connections

connectable conductor cross-section solid	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	1 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	1 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>
connectable conductor cross-section finely stranded with core end processing	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	1 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	2 N·m
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	2 N·m
position of power supply cord	Either top or bottom

#### Mechanical Design

height	85 mm
width	54 mm
depth	72 mm
installation depth	70 mm
number of modular width units	3
mounting position	any
net weight	352 g
weight with packaging	374 g

#### Environmental conditions

influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	40 °C
ambient temperature during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	70 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

#### Approvals Certificates

General Product Approval	other
--------------------------	-------



[Confirmation](#)

[Miscellaneous](#)



[Confirmation](#)

other	Dangerous goods	Environment
-------	-----------------	-------------

[Miscellaneous](#)

[Miscellaneous](#)

[Transport Information](#)

[Environmental Confirmations](#)

[Environmental Confirmations](#)

## 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=5SU1336-7FP25>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1336-7FP25>

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

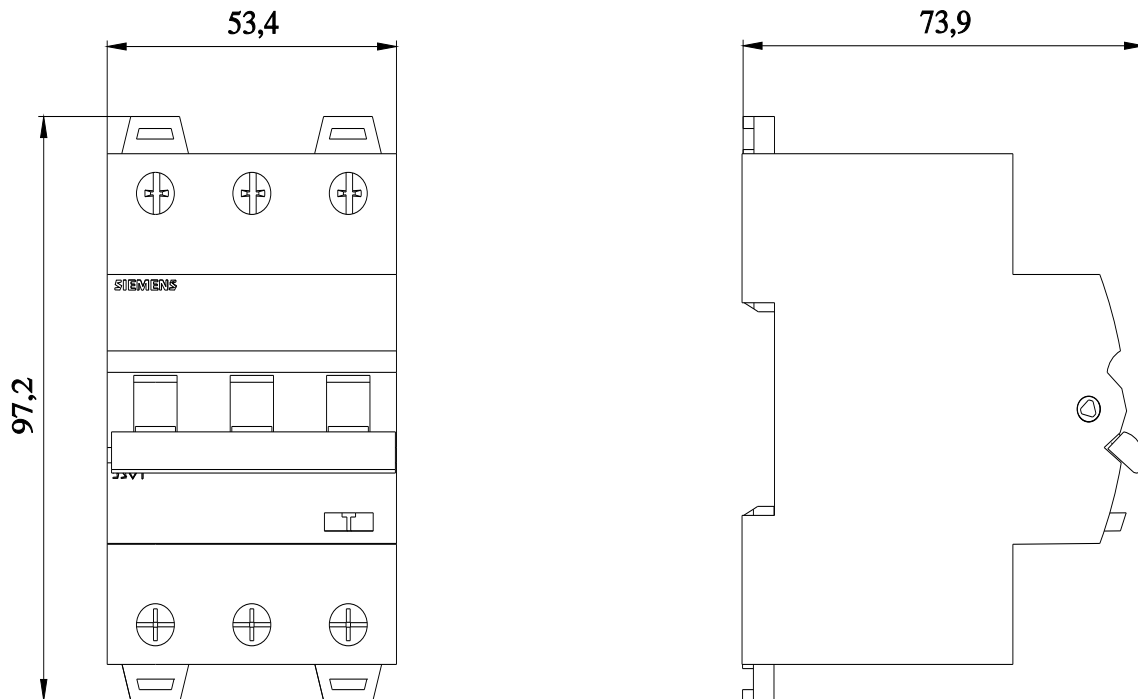
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU1336-7FP25](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1336-7FP25)

### CAX-Online-Generator

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

### Tender specifications

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



last modified:

7/5/2024 

