



RCBO, 6 kA, 4P Type A, 30 mA, B-Char, In: 6A 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	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) μ s	0.25 kA
tripping fault current rated value	30 mA
operational current	
• at 30 °C rated value	6 A
• at 40 °C rated value	5.7 A
• at 45 °C rated value	5.5 A
• at 50 °C rated value	5.3 A
• at 55 °C rated value	5.1 A
• at 60 °C rated value	5 A
• at 70 °C rated value	4.7 A
• at AC rated value	6 A
residual current type	A
Supply voltage	
supply voltage	
• at AC rated value	400 V
• for testing equipment minimum	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	
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	6 kA
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
rated residual switching capacity (IΔm) according to IEC 61009-1	4.5 kA
energy limitation class	3

Dissipation

power loss [W]	
<ul style="list-style-type: none"> • maximum 	1.1 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 	1 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> • minimum 	1 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
connectable conductor cross-section finely stranded with core end processing	
<ul style="list-style-type: none"> • minimum 	1 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 N·m
<ul style="list-style-type: none"> • maximum 	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	436 g
weight with packaging	551 g

Environmental conditions

influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
<ul style="list-style-type: none"> • minimum 	-25 °C
<ul style="list-style-type: none"> • maximum 	40 °C
ambient temperature during storage	
<ul style="list-style-type: none"> • minimum 	-40 °C
<ul style="list-style-type: none"> • maximum 	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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[Miscellaneous](#)



[Miscellaneous](#)

[Confirmation](#)

other	Dangerous goods	Environment
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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=5SU1346-6FP06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-6FP06>

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

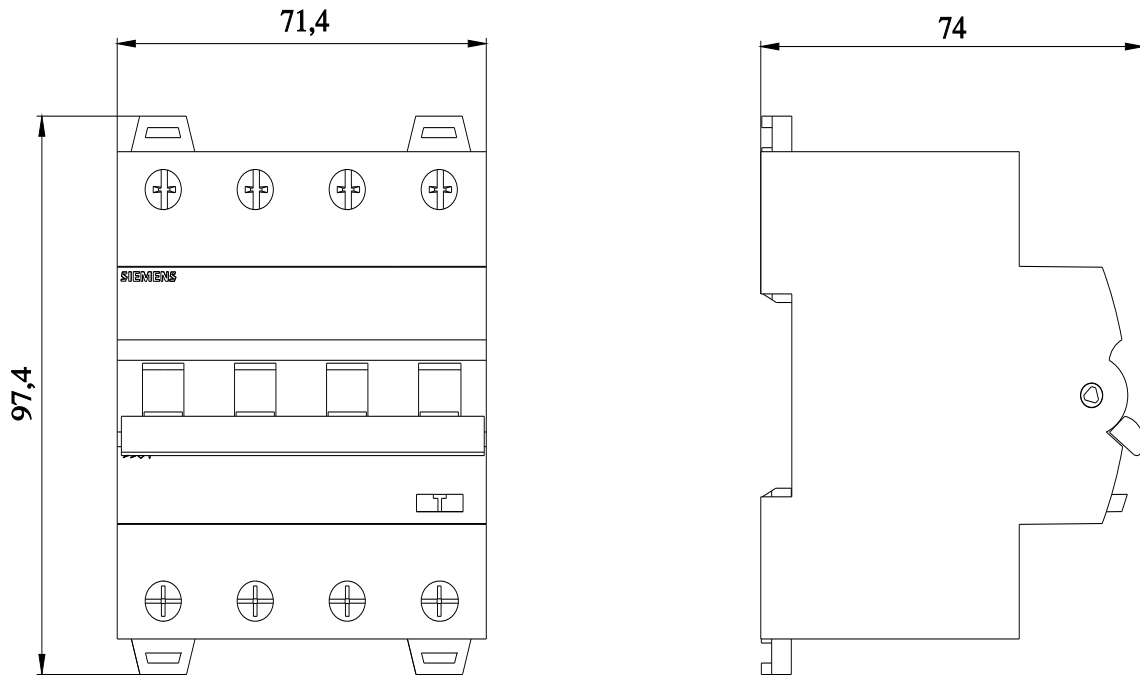
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1346-6FP06

CAX-Online-Generator

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

Tender specifications

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



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