



Figure similar

5SU1 RCBO Type A 30mA C6 6kA 1+N 2MW, Big Pack 36 pcs

Model	
product brand name	SETRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
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) µs	1 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	5.58 A
— at 50 °C rated value	5.4 A
— at 55 °C rated value	5.22 A
— at 60 °C rated value	5.1 A
— at 65 °C rated value	4.86 A
— at 70 °C rated value	4.62 A
• operational current at AC rated value	6 A
residual current type	A
Supply voltage	
supply voltage	
• at AC rated value	230/240 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		
switching capacity current	• according to EN 60898 rated value	6 kA
	• according to IEC 60947-2 rated value	25 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		6 kA
energy limitation class		3
Dissipation		
power loss [W]	• maximum	1.9 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		36 mm
depth		77 mm
installation depth		70 mm
number of modular width units		2
mounting position		any
Net Weight		275 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		
Environment	General Product Approval	other
Environmental Confirmations	Environmental Confirmations	Miscellaneous
		
	Confirmation	Miscellaneous
other	Dangerous goods	



[Confirmation](#)

[Miscellaneous](#)

[Transport Information](#)

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=5SU1356-7GV06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-7GV06>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-7GV06

CAX-Online-Generator

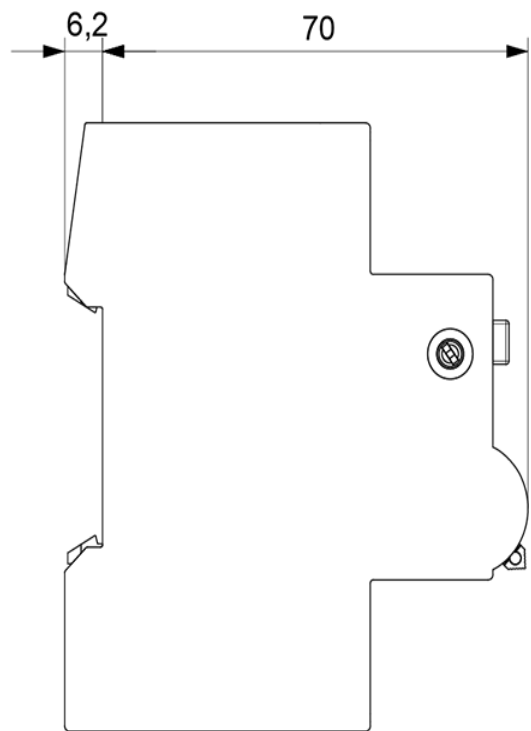
<https://www.siemens.com/cax>

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='HAUPT'></mmp_prod_no>)



last modified:

7/22/2025 

