



RCBO, Icn: 10 kA, 2P, type A, 30 mA, C-Char, In: 6 A, Un AC: 110 V

Figure similar

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 <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 65 °C rated value — at 70 °C rated value • operational current at AC rated value 	<ul style="list-style-type: none"> 6 A 5.7 A 5.58 A 5.4 A 5.22 A 5.1 A 4.86 A 4.62 A 6 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"> 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	35 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	3.7 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	402 g
weight with packaging	410 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



EG-Konf.

[Confirmation](#)

[Miscellaneous](#)



[Special Test Certificate](#)

other

Railway



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Dangerous goods

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=5SU1324-7KX06>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1324-7KX06>

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

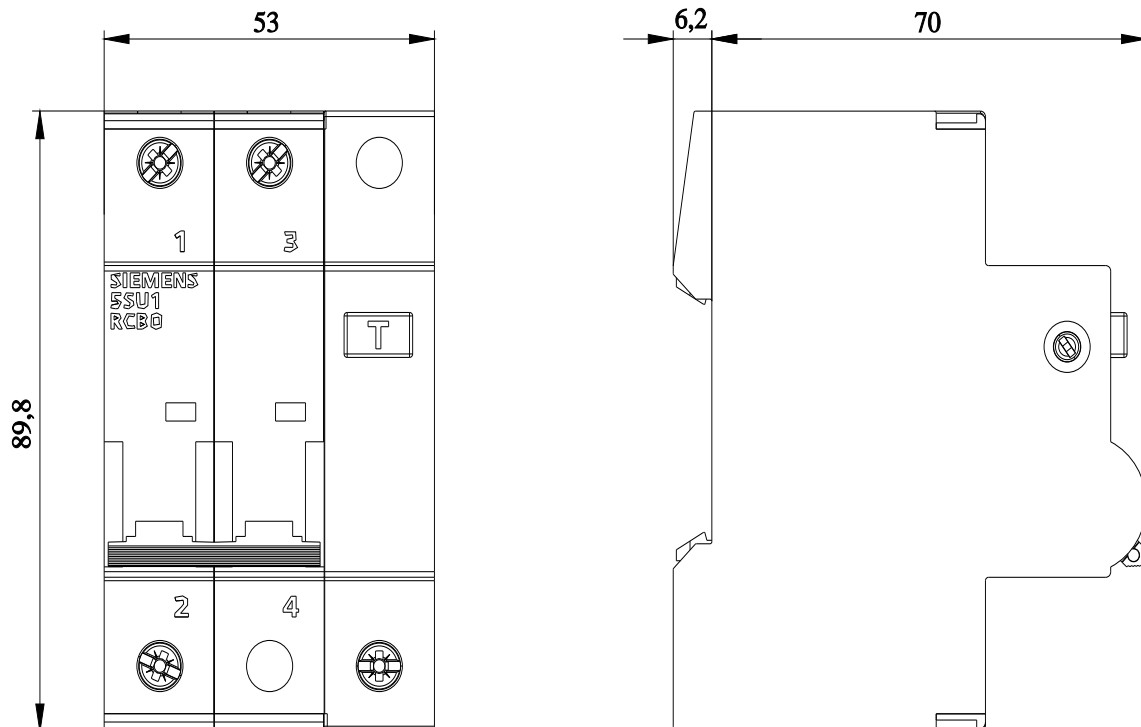
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1324-7KX06

CAX-Online-Generator

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

Tender specifications

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



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