





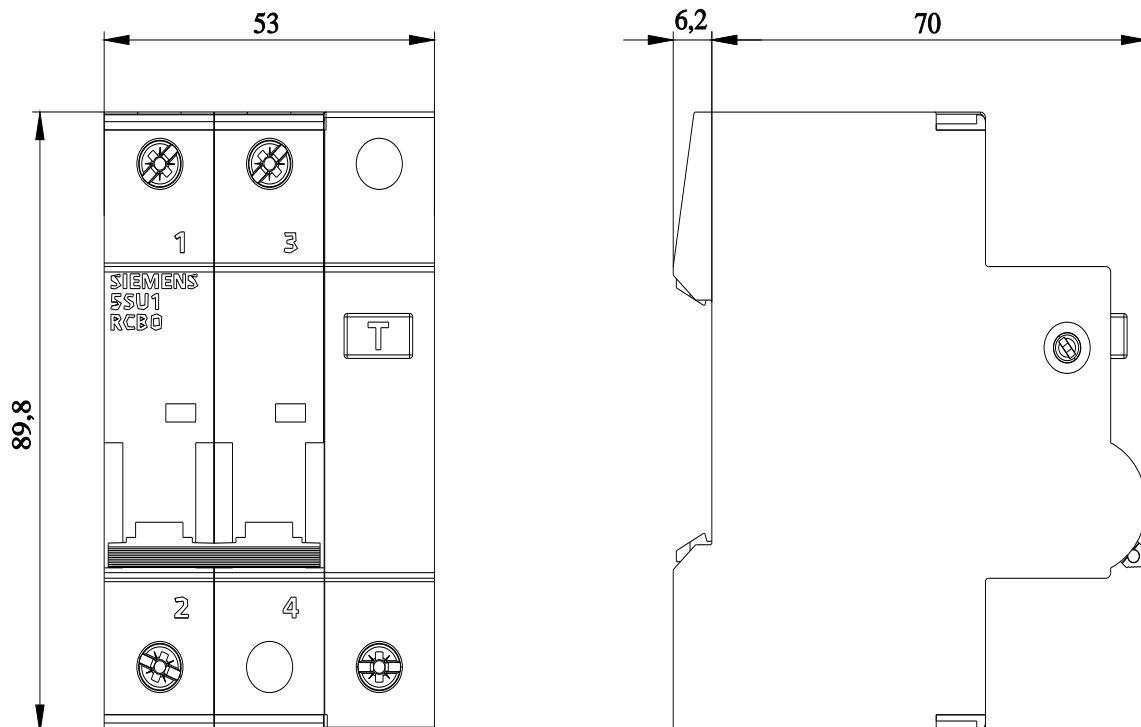


Figure similar

RCBO, Icn: 10 kA, 2P, type A, 30 mA, B char., In: 20 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	B
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 	20 A 18.8 A 18.2 A 17.4 A 16.2 A 16.2 A 15.4 A 14.6 A 20 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		
<ul style="list-style-type: none"> • according to EN 60898 rated value • according to IEC 60947-2 rated value 	10 kA 20 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]		
<ul style="list-style-type: none"> • maximum 	5.7 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		
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²	
connectable conductor cross-section stranded		
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²	
connectable conductor cross-section finely stranded with core end processing		
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²	
tightening torque with screw-type terminals		
<ul style="list-style-type: none"> • minimum • maximum 	2.5 N·m 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	407 g	
weight with packaging	412 g	
Environmental conditions		
influence of the surrounding temperature	Max. 95% humidity	
ambient temperature during operation		
<ul style="list-style-type: none"> • minimum • maximum 	-25 °C 55 °C	
ambient temperature during storage		
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 75 °C	
number of test cycles for environmental testing according to IEC 60068-2-30	28	
Approvals Certificates		
General Product Approval	Test Certificates	other
		
Miscellaneous	Special Test Certificate	
other	Railway	Dangerous goods
Confirmation	Miscellaneous	Miscellaneous
Confirmation	Special Test Certificate	Transport Information

Environment[Environmental Con-
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