



Figure similar

Residual current operated circuit breaker, 2-pole, Type A, In: 25 A, 10 mA, Un AC:230V

Model	
product brand name	SETRON
product designation	RCCB
design of the product	Instantaneous
product type designation	5SV3
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	10 000
short-circuit current of series fuse maximum permissible	63 A
short-circuit current rating	10 kA
switching function short-term delayed	No
overvoltage category	III
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	10 mA
Supply voltage	
supply voltage for testing equipment minimum	100 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50 Hz
value range of the supply voltage at AC	230 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
switching capacity current	
• according to IEC 61008-1 rated value	0.5 kA
grid spacing	60 mm
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	0.7 W
• maximum	1.4 W
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section stranded	

• minimum • maximum	0.75 mm ² 35 mm ²
tightening torque with screw-type terminals	
• minimum • maximum	2.5 N·m 3 N·m
position of power supply cord	top or bottom

Mechanical Design

height	90 mm
width	36 mm
depth	70 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail (REG)
mounting position	any

Environmental conditions

ambient temperature during operation	
• minimum • maximum	-25 °C 45 °C
ambient temperature during storage minimum	-40 °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	8.73 kg
Global Warming Potential [CO ₂ eq] during manufacturing	1.32 kg
Global Warming Potential [CO ₂ eq] during operation	7.39 kg
Global Warming Potential [CO ₂ eq] after end of life	0.017 kg

Approvals Certificates

General Product Approval	Test Certificates	other
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[Confirmation](#)

[Miscellaneous](#)



[Miscellaneous](#)

[Miscellaneous](#)

other	Railway	Dangerous Good	Environment
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[Confirmation](#)

[Special Test Certificate](#)

[Confirmation](#)

[Transport Information](#)



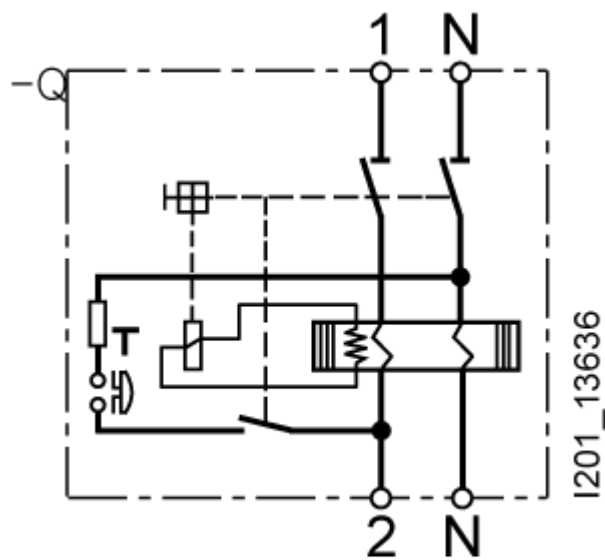
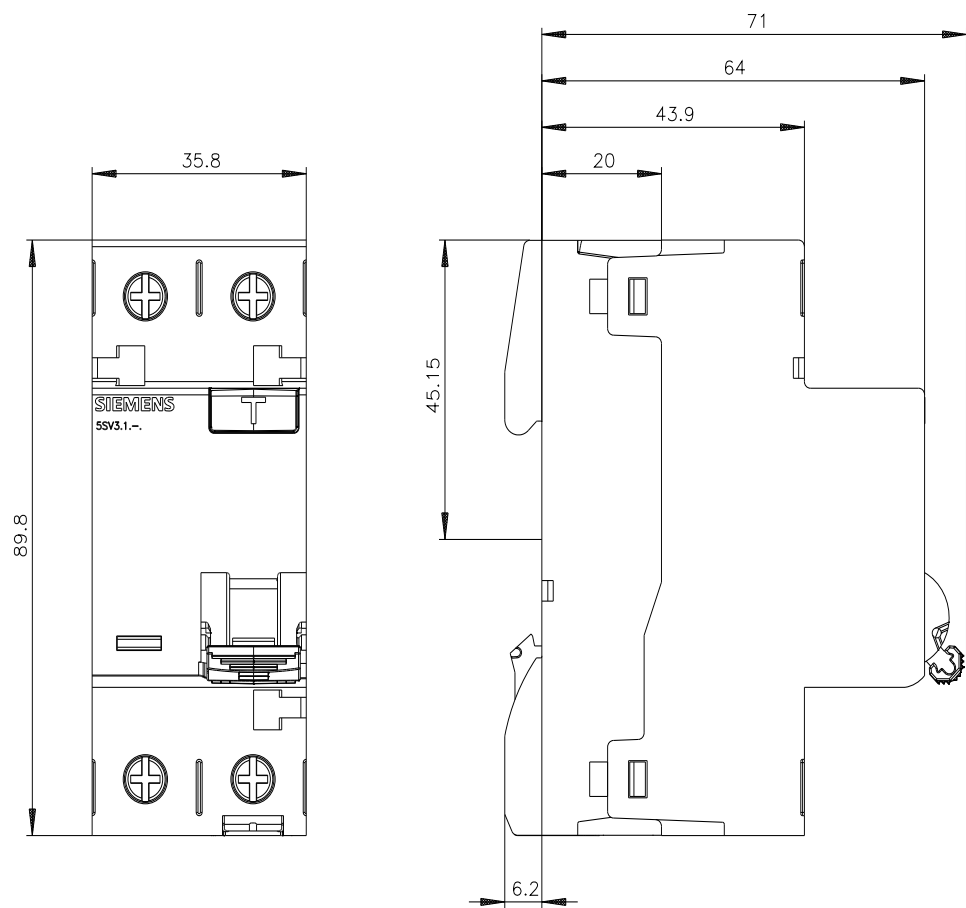
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Environment

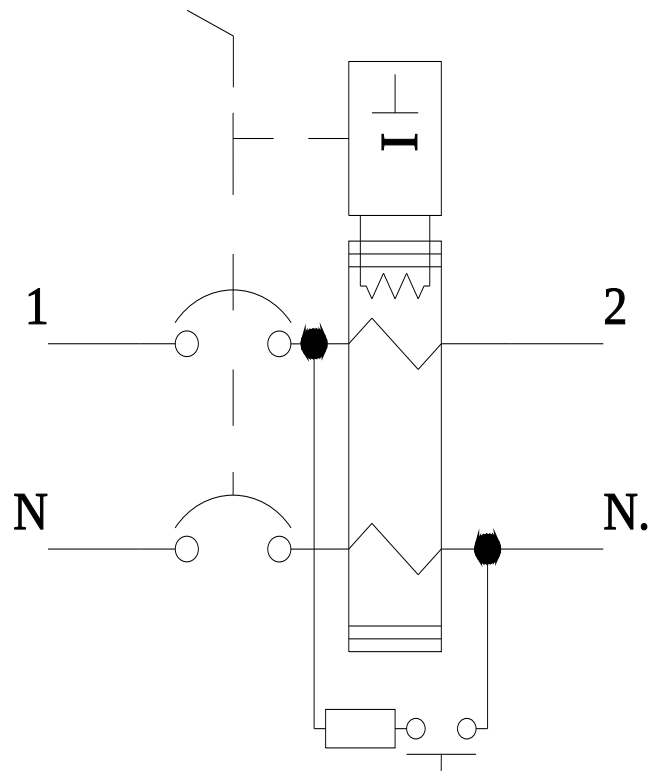
[Environmental Confirmations](#)

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=5SV3112-6>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SV3112-6>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3112-6
CAX-Online-Generator
<http://www.siemens.com/cax>
Tender specifications



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