



Residual current operated circuit breaker, 2-pole, Type A, short-time delayed, In: 40 A, 30 mA, Un AC: 230 V, with thermal overload protection

Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Short-time delayed
product variations	With thermal overload protection
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	80 A
short-circuit current rating	10 kA
switching function short-term delayed	Yes
overvoltage category	III
Supply voltage	
supply voltage for testing equipment minimum	195 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50/60 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
Switching capacity	
switching capacity current	
• according to IEC 61008-1 rated value	0.5 kA
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	1.5 W
• maximum	3 W
Current	
tripping fault current rated value	30 mA
operational current	
• at 40 °C rated value	40 A
• at 45 °C rated value	40 A
• at 50 °C rated value	40 A
• at 55 °C rated value	40 A
• at 60 °C rated value	40 A
• at 65 °C rated value	40 A
• at 70 °C rated value	40 A
• at AC rated value	40 A
residual current type	A

let-through current permissible	5 200 A
I ² t value permissible	58 000 A ² ·s
surge current resistance rated value	3 kA

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	0.75 mm ²
• maximum	35 mm ²
tightening torque with screw-type terminals	
• minimum	2.5 N·m
• maximum	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	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum permissible	-40 °C
• maximum permissible	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

General Product Approval

Declaration of
Conformity

[Confirmation](#)



[Miscellaneous](#)



Declaration of
Conformity

Test Certificates

other

Railway



[Miscellaneous](#)

[Environmental Con-
firmations](#)

[Miscellaneous](#)

[Vibration and Shock](#)

[Confirmation](#)

Dangerous Good

[Transport Informa-
tion](#)

Further information

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=5SV3314-6LA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3314-6LA01>

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

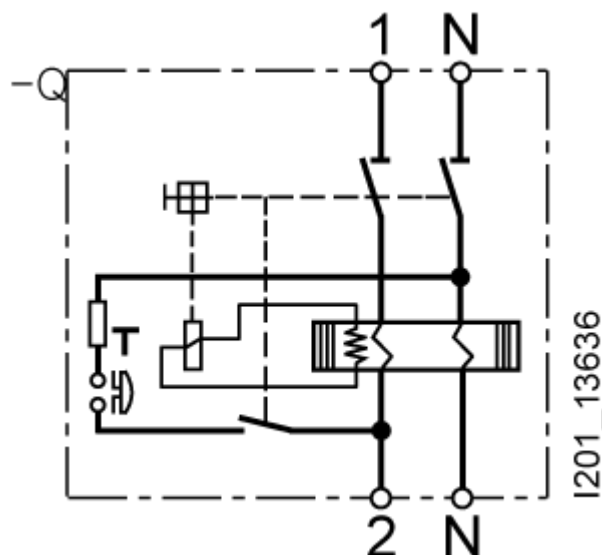
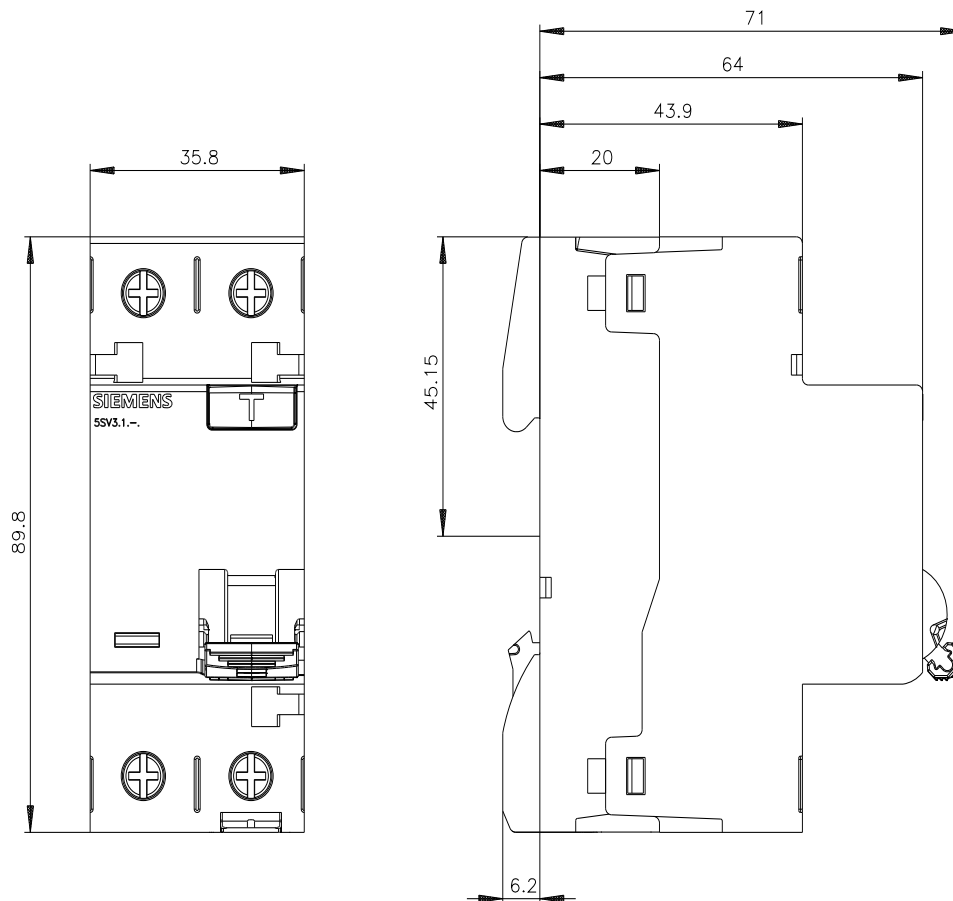
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3314-6LA01

CAX-Online-Generator

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

Tender specifications

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



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