

Residual current operated circuit breaker, 2-pole, type A, In: 40 A, 30 mA, Un AC: 230 V, N left



Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous
Product variations	N left
General technical data	
Number of poles	2
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
Short-circuit current rating	10 kA
circuit-breaker / Design	5SV3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Supply voltage	
<ul style="list-style-type: none"> <li>at AC / rated value</li> </ul>	230 V
<ul style="list-style-type: none"> <li>for testing equipment / minimum</li> </ul>	195 V

Supply voltage frequency	
• rated value	50 Hz
<b>Protection class</b>	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
<b>Switching capacity</b>	
Switching capacity current / according to IEC 61008-1 / rated value	0.5 kA
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.6 W
<b>Electricity</b>	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 40 Cel	40 A
• at 45 Cel	38.1 A
• at 50 Cel	35.59 A
• at 55 Cel	32.29 A
• at 60 Cel	28.19 A
• at 65 Cel	23.3 A
• at 70 Cel	17.62 A
Type of fault current	A
Current / at AC / rated value	40 A
I <sup>2</sup> t-value / permissible	38 000 A <sup>2</sup> ·s
Surge current resistance / rated value	1 kA
<b>Product details</b>	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
<b>Number</b>	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
<b>Connections</b>	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
Connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
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
Mounting position	any
Installation depth	70 mm
Number of width units	2
Mounting type	DIN rail (REG)

### Environmental conditions

Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
• during storage / minimum permissible	-40 °C
• during storage / maximum permissible	75 °C

### Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval	Declaration of Conformity	other
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[Miscellaneous](#)



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### Railway

[Vibration and Shock](#)

[Confirmation](#)

### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

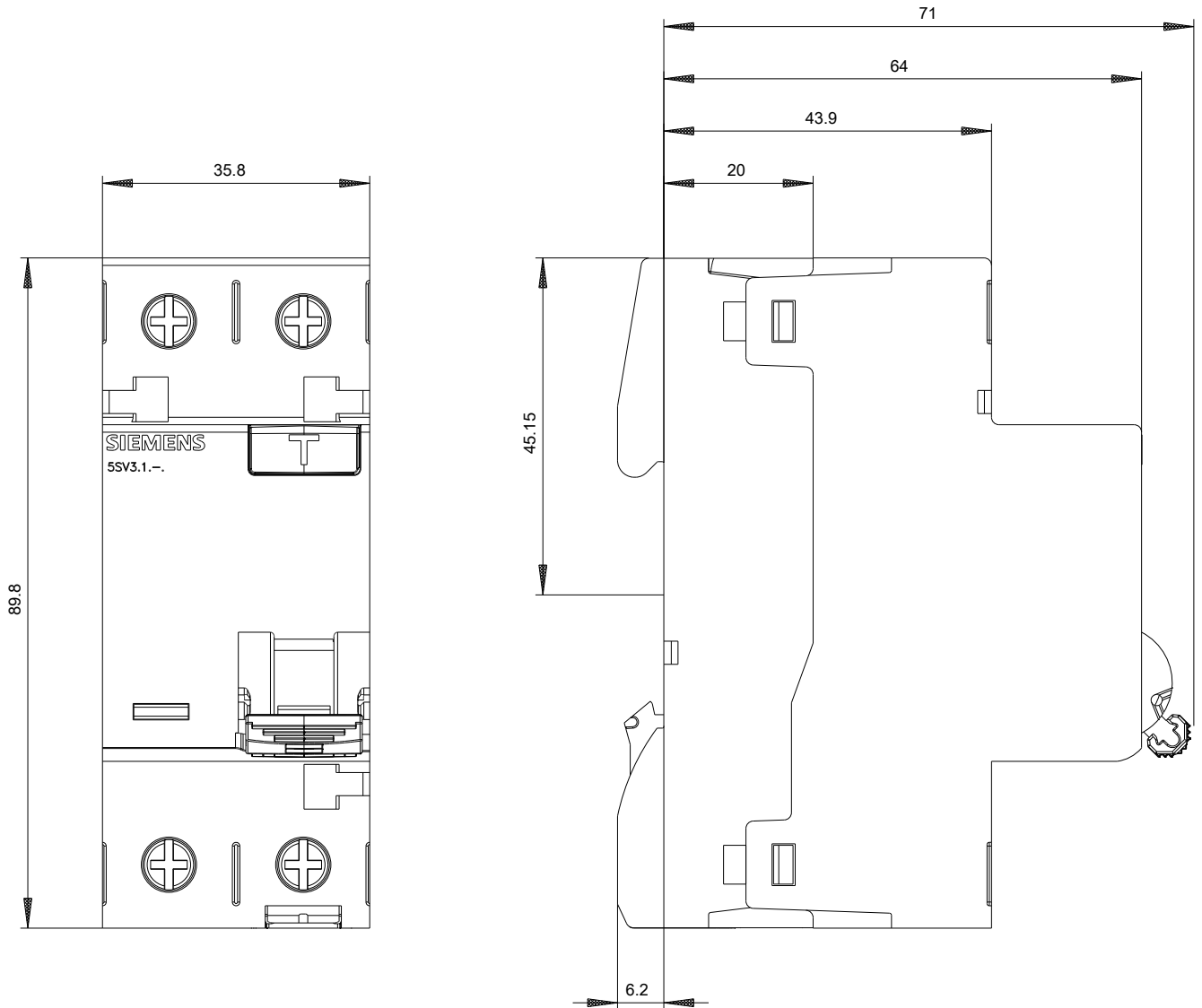
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV3314-6KL>

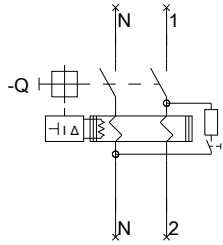
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

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

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3314-6KL](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3314-6KL)





Siemens

5SV(3,4)x1x-x

Format / Size: Hybrid quer

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