

Residual current operated circuit breaker, 2-pole, Type AC, In: 40 A, 100 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	5SV4
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	40 A
• Supply voltage / at AC / rated value	230/400 V

- Supply voltage / for testing equipment / minimum
- rated value

100 V

50 Hz

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

1.6 W

Current

Tripping residual current / rated value

100 mA

Tripping residual / rated value / derated current

- at 40 Cel
- at 45 Cel
- at 50 Cel
- at 55 Cel
- at 60 Cel
- at 65 Cel
- at 70 Cel

40 A
38.1 A
35.59 A
32.29 A
28.19 A
23.3 A
17.62 A

Type of fault current

AC

I_{2t}-value / permissible

58 000 A²·s

Product details

Product feature / silicon-free

Yes

Product extension / can be installed / supplementary devices

Yes

Connections

Connectable conductor cross-section

- solid
- stranded

0.75 ... 35 mm²
0.75 ... 35 mm²

Tightening torque / with screw-type terminals

2.5 ... 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 width units

2

Mounting type	DIN rail (REG)
Mounting position	any

Environmental conditions

Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +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	Railway
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[Miscellaneous](#)



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[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=5SV4414-0KL>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV4414-0KL>

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

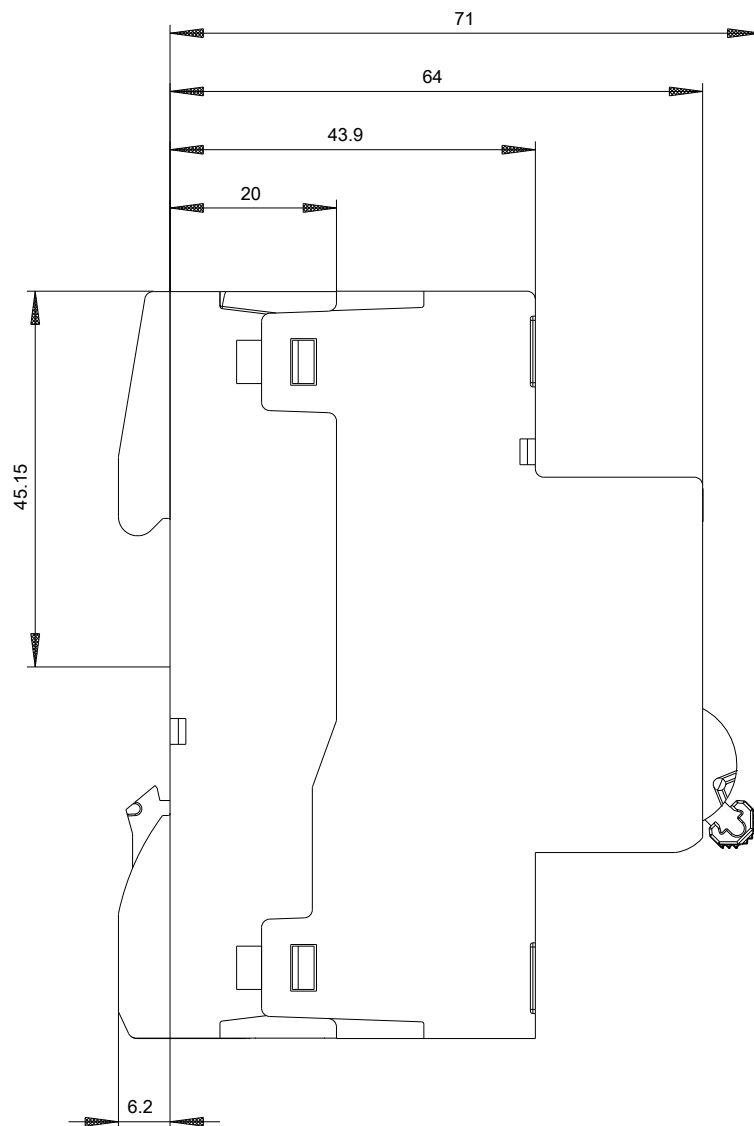
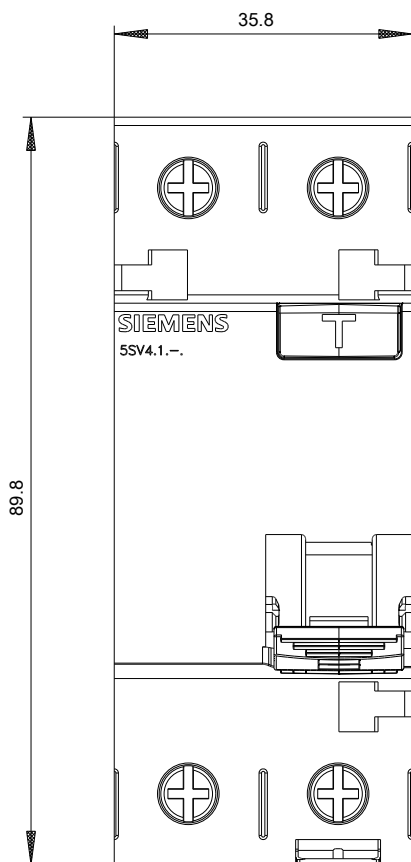
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4414-0KL

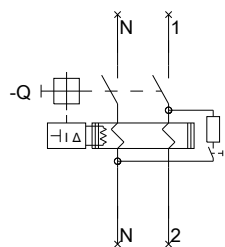
CAX-Online-Generator

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

Tender specifications

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





Siemens

5SV(3,4)x1x-x

Format / Size: Hybrid quer

-CB

