

Residual current operated circuit breaker, 2-pole, Type AC, 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 / 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	Yes
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	40 A
• Supply voltage / at AC / rated value	230 V

• Supply voltage / for testing equipment / minimum	195 V
• rated value	50 Hz

### Protection class

Protection class IP	IP20, if the distribution board is installed, with connected conductors
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### Switching capacity

Switching capacity current / according to IEC 61008-1 / rated value	0.5 kA
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### Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.5 W
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### Current

Tripping residual current / rated value	30 mA
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Tripping residual / rated value / derated current

• at 40 Cel	40 A
• at 45 Cel	40 A
• at 50 Cel	40 A
• at 55 Cel	40 A
• at 60 Cel	40 A
• at 65 Cel	40 A
• at 70 Cel	40 A

Type of fault current	AC
I <sup>2</sup> t-value / permissible	58 000 A <sup>2</sup> ·s
Operating frequency	50/60Hz

### Product details

Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

### Connections

Connectable conductor cross-section	
• solid	0.75 ... 35 mm <sup>2</sup>
• stranded	0.75 ... 35 mm <sup>2</sup>
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

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>	<b>Railway</b>
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ÖVE

[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

[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=5SV4314-0LA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV4314-0LA01>

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

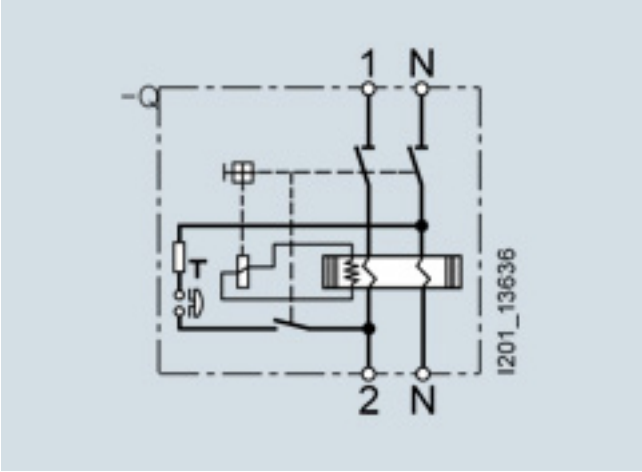
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV4314-0LA01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4314-0LA01)

##### CAX-Online-Generator

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

##### Tender specifications

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



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