

Residual current operated circuit breaker, 4-pole, Type B, short-time delayed, In: 25 A, 30 mA, Un AC: 400 V



Model	
Product brand name	SETRON
Product designation	RCCB
Design of the product	Short-time delayed
General technical data	
Number of poles	4
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	Yes
Overvoltage category	III
Supply voltage	
Current / at AC / rated value	25 A
Supply voltage	
• at AC / rated value	400 V
• for testing equipment / minimum	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	0.8 kA
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.2 W
<b>Current</b>	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 40 Cel	25 A
• at 45 Cel	25 A
• at 50 Cel	25 A
• at 55 Cel	25 A
• at 60 Cel	25 A
• at 65 Cel	18.5 A
• at 70 Cel	5.5 A
Type of fault current	B
I <sup>2</sup> t-value / permissible	41 000 A <sup>2</sup> ·s
Surge current resistance / rated value	3 kA
Operating frequency	50/60Hz
<b>Product details</b>	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
<b>Connections</b>	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	35 mm <sup>2</sup>
<b>Mechanical Design</b>	
Height	90 mm
Width	72 mm
Depth	77 mm
Installation depth	70 mm
Number of width units	4
Mounting type	DIN rail (REG)



Mounting position	any
Net weight	571 g

### Environmental conditions

Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum permissible	-40 °C
• 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	Railway
 VDE	 EG-Konf.		
<a href="#">Miscellaneous</a>	<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>	<a href="#">Vibration and Shock</a>

### Railway

[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=5SV3342-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3342-4>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV3342-4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3342-4)

#### CAX-Online-Generator

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

#### Tender specifications

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

