

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



Model	
product brand name	SENTRON
Product designation	RCCB
Design of the product	Short-time delayed
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 / of series fuse / maximum permissible	100 A
Short-circuit current rating	10 kA
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	Yes
overvoltage category	III
Supply voltage	
Operating current / at AC / rated value	40 A
Supply voltage	
• at AC / rated value	230 V

<ul style="list-style-type: none"> • for testing equipment / minimum 	195 V
<ul style="list-style-type: none"> • Supply voltage frequency / rated value 	50 Hz
Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	0.8 kA
<ul style="list-style-type: none"> • according to IEC 61008-1 / rated value 	0.8 kA
Dissipation	
<ul style="list-style-type: none"> • Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 	2.5 W
<ul style="list-style-type: none"> • power loss [W] / maximum 	5 W
Current	
Tripping residual current / rated value	30 mA
Type of fault current	B
Surge current resistance / rated value	3 kA
Operating current	
<ul style="list-style-type: none"> • at 40 °C / rated value 	40 A
<ul style="list-style-type: none"> • at 45 °C / rated value 	40 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	40 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	40 A
<ul style="list-style-type: none"> • at 60 °C / rated value 	40 A
<ul style="list-style-type: none"> • at 65 °C / rated value 	40 A
<ul style="list-style-type: none"> • at 70 °C / rated value 	40 A
Product details	
product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
Tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> • minimum 	2.5 N·m
<ul style="list-style-type: none"> • maximum 	3 N·m
Mechanical Design	



Height	90 mm
Width	72 mm
Depth	70 mm
installation depth	70 mm
number of width units	4
Mounting type	DIN rail (REG)
mounting position	any
net weight	563 g

Environmental conditions

Ambient temperature	
<ul style="list-style-type: none"> • minimum • maximum 	<p>-25 °C</p> <p>45 °C</p>
Ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum permissible • maximum permissible 	<p>-40 °C</p> <p>75 °C</p>
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

Certificates

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

General Product Approval	Declaration of Conformity	other	Railway
 <p>VDE</p> <p>Miscellaneous</p>	 <p>EG-Konf.</p>	<p>Miscellaneous</p> <p>Confirmation</p>	<p>Vibration and Shock</p>

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=5SV3324-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3324-4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3324-4

CAX-Online-Generator

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

