

Residual current operated circuit breaker, 4-pole, Type B, short-time delayed, In: 40 A, 30 mA, Un AC: 400 V



Model	
product brand name	SENTRON
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 / 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	400 V

• for testing equipment / minimum	195 V
• 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	
• acc. to EN 60898 / rated value	0.8 kA
• according to IEC 61008-1 / rated value	0.8 kA
Dissipation	
• Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.5 W
• power loss [W] / maximum	7.5 W
Current	
Tripping residual current / rated value	30 mA
Type of fault current	B
Surge current resistance / rated value	3 kA
Operating current	
• at 40 °C / rated value	40 A
• at 45 °C / rated value	40 A
• at 50 °C / rated value	40 A
• at 55 °C / rated value	40 A
• at 60 °C / rated value	40 A
• at 65 °C / rated value	40 A
• 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	
• minimum	0.75 mm ²
• maximum	35 mm ²
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• 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	544 g

Environmental conditions

Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum permissible	-40 °C
• maximum permissible	75 °C
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
 VDE	 EG-Konf.	Miscellaneous Confirmation	Vibration and Shock

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=5SV3344-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3344-4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3344-4

CAX-Online-Generator

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



