



Residual current operated circuit breaker, 4-pole, type A, short-time delayed, In: 40 A, 300 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 / according to DIN 43880	1
mechanical service life (switching cycles) / typical	10 000
short-circuit current / of series fuse / maximum permissible	100 A
short-circuit current rating	10 kA
switching function / short-term delayed	Yes
overvoltage category	III
Supply voltage	
supply voltage / for testing equipment / minimum	100 V
value range / of the supply voltage frequency	50 Hz
value range / of the operating frequency	50/60 Hz
value range / of the supply voltage / at AC	230/400 V
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	0.8 kA
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	1.8 W
• maximum	5.4 W
Current	
tripping fault current / rated value	300 mA
operational 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
• at AC / rated value	40 A
residual current type	A

let-through current / permissible	5 200 A
I _{2t} value / permissible	58 000 A²·s
surge current resistance / rated value	3 kA
Product details	
product feature / silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm²
• maximum	35 mm²
connectable conductor cross-section / stranded	
• minimum	0.75 mm²
• maximum	35 mm²
tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
position / of power supply cord	top or bottom
Mechanical Design	
height	90 mm
width	72 mm
depth	70 mm
installation depth	70 mm
number of modular width units	4
fastening method	DIN rail (REG)
mounting position	any
Environmental conditions	
ambient temperature / during operation	
• 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 / according to IEC 60068-2-30	28
General Product Approval	

[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	other	Railway
	Miscellaneous	Miscellaneous	Confirmation Vibration and Shock

Dangerous Good

[Transport Information](#)

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=5SV3644-6KK01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3644-6KK01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3644-6KK01

CAX-Online-Generator

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

Tender specifications

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



