







Residual current operated circuit breaker, 4-pole, Type B, short-time delayed, In: 63 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	70 V
value range of the supply voltage frequency	50/60 Hz
value range of the operating frequency	50/60 Hz
value range of the supply voltage at AC	70-440 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
switching capacity current	0.8 kA
• according to IEC 61008-1 rated value	
Dissipation	
power loss [W]	5 W
• for rated value of the current at AC in hot operating state per pole	
• maximum	15 W
Current	
tripping fault current rated value	300 mA
operational current	63 A
• at 40 °C rated value	
• at 45 °C rated value	
• at 50 °C rated value	
• at 55 °C rated value	
• at 60 °C rated value	
• at 65 °C rated value	
• at 70 °C rated value	
• at AC rated value	
residual current type	
let-through current permissible	7 000 A

I2t value permissible	60 000 A ² ·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 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				
position of power supply cord	top or bottom (top for SIGRES function also in switched-off state)				
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				
net weight	545 g				
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					
Declaration of Conformity					
Confirmation		Miscellaneous		Miscellaneous	
Declaration of Conformity	Test Certificates	other			Railway
	Miscellaneous	Miscellaneous	Confirmation	Environmental Conformations	Vibration and Shock
Railway	Dangerous Good				
Confirmation	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=5SV3646-4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3646-4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3646-4

CAX-Online-Generator

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

Tender specifications

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

