









residual current operated circuit breaker, 4-pole, type AC, In: 40 A, 100 mA, Un AC: 400 V,

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Instantaneous
product type designation	5SV5
General technical data	
number of poles	4
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	4 000
short-circuit current of series fuse maximum permissible	80 A
short-circuit current rating	6 kA
switching function short-term delayed	No
degree of pollution	2
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	100 mA
let-through current permissible	5 200 A
I ² t value permissible	58 000 A ² ·s
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 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
Breaking Capacity	
switching capacity current	
• according to IEC 61008-1 rated value	0.5 kA
grid spacing	60 mm
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	2 W
• maximum	6 W
Appearance	
RAL color number	7 035
RAL color number (similar)	7 035

Product details		
product feature silicon-free	Yes	
product extension installable supplementary devices	No	
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	
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	305 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
• maximum	45 °C	
ambient temperature during storage minimum	-40 °C	
number of test cycles for environmental testing according to IEC 60068-2-30	28	
Approvals Certificates		
Environment	General Product Approval	
Environmental Confirmations  	Environmental Confirmations 	Miscellaneous 
General Product Approval	other	Dangerous goods
Confirmation 		Confirmation Transport Information
Further information		
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875		
Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012		
Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/lowvoltage/catalogs		
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV5444-0		
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SV5444-0		
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV5444-0		
CAx-Online-Generator https://www.siemens.com/cax		
Tender specifications https://www.siemens.com/specifications		
Characteristic curves		

last modified:

10/9/2025 

