

Siemens
EcoTech



Residual current operated circuit breaker, 2-pole, type A, In: 25 A, 30 mA, Un AC: 230 V

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Instantaneous
product type designation	5SV3
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	10 000
short-circuit current of series fuse maximum permissible	63 A
short-circuit current rating	10 kA
switching function short-term delayed	No
degree of pollution	2
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	30 mA
let-through current permissible	5 200 A
I _{2t} value permissible	58 000 A ² ·s
Supply voltage	
supply voltage for testing equipment minimum	195 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 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	1 W
• maximum	2 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	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	36 mm				
depth	70 mm				
installation depth	70 mm				
number of modular width units	2				
fastening method	DIN rail				
mounting position	any				
Net Weight	187 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 Con- firmations	  Environmental Con- firmations  				
General Product Approval					
  Miscellaneous  Confirmation 					
EMV	Test Certificates	other	Railway	Dangerous goods	
	Miscellaneous	Confirmation		Special Test Certi- cate	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=5SV3312-6					

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3312-6>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3312-6

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>





