

Siemens
EcoTech



Residual current operated circuit breaker, 2-pole, type A, In: 40 A, 100 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	100 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	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	1.6 W
• maximum	3.2 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	181 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   				
General Product Approval				
  Miscellaneous  Confirmation 				
EMV	Test Certificates	other	Railway	Dangerous goods
	Miscellaneous		Confirmation	Special Test Certificate 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=5SV3414-6				

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3414-6>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3414-6

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>





