

Siemens
EcoTech



Residual current operated circuit breaker, 2-pole, type A, In: 63 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	80 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	7 100 A
I _{2t} value permissible	110 000 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	0.8 kA
grid spacing	60 mm
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	5.3 W
• maximum	10.6 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	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	211 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				
General Product Ap- proval	EMV	Test Certificates	other	Railway
 	Miscellaneous 	Confirmation Special Test Certific- ate		
Dangerous goods				
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=5SV3316-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3316-6>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3316-6

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>



