

Siemens
EcoTech



Residual current operated circuit breaker, 2-pole, type A, In: 80 A, 300 mA, Un AC: 230 V, N left

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Instantaneous
product type designation	5SV3
product version	N left
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	300 mA
let-through current permissible	7 100 A
I ² t value permissible	110 000 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	0.8 kA
grid spacing	60 mm
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	3.9 W
• maximum	7.8 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		200 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		Test Certificates	
		Miscellaneous	
		Confirmation	
			
		Miscellaneous	
other		Railway	
		Dangerous goods	
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=5SV3617-6KL>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3617-6KL>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3617-6KL

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>



