

Siemens
EcoTech



Residual current operated circuit breaker, 2-pole, type A, short-time delayed, In: 25 A, 300 mA, Un AC: 230 V



Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Short-time delayed
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	Yes
degree of pollution	2
insulation voltage (Ui) rated value	2 000 V
tripping fault current rated value	300 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	50/60 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	0.5 W
• maximum	1 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	204 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  EG-Konf. 				
Test Certificates	other	Railway	Dangerous goods	
Miscellaneous	产品合格 QC PASS	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=5SV3612-6KK01				

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3612-6KK01>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3612-6KK01

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



