

Siemens
EcoTech



Residual current operated circuit breaker, 4-pole, Type B, In: 25A, 30mA, 6mA DC, Un AC: 400V, Mobile Installations

Model	
product brand name	SENTRON
product designation	Residual current operated circuit breaker
design of the product	Short-time delayed
product type designation	5SV3
product version	SIGRES, 6mA DC
General technical data	
number of poles	4
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	100 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	30 mA
let-through current permissible	7 000 A
I ² t value permissible	60 000 A ² ·s
Supply voltage	
supply voltage for testing equipment minimum	70 V
value range of the supply voltage frequency	50/60 Hz
value range of the operating frequency	50/60 Hz
value range of the supply voltage at AC	70-440 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	1.2 W
• maximum	3.6 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 (top for SIGRES function also in switched-off state)		
Mechanical Design			
height	90 mm		
width	72 mm		
depth	70 mm		
installation depth	70 mm		
number of modular width units	4		
fastening method	DIN rail		
mounting position	any		
Net Weight	448 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			
General Product Approval		Test Certificates	other



[Confirmation](#)

[Miscellaneous](#)



[Miscellaneous](#)



other	Railway	Dangerous goods	Environment
-------	---------	-----------------	-------------

[Confirmation](#)

[Special Test Certificate](#)

[Transport Information](#)

Siemens
EcoTech



[Environmental Confirmations](#)

[Environmental Confirmations](#)

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=5SV3342-4KK60>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3342-4KK60>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3342-4KK60

CAX-Online-Generator

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

Tender specifications

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



