

Residual current operated circuit breaker, 4-pole, type A, In: 25 A, 30 mA, Un AC: 400 V, SIGRES (harsh ambient conditions)



Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Instantaneous
product variations	SIGRES (harsh ambient conditions)
General technical data	
number of poles	4
size of installation devices / acc. to DIN 43880	1
mechanical service life (switching 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	No
overvoltage category	III
Supply voltage	
operational current / at AC / rated value	25 A
• supply voltage / at AC / rated value	400 V

• supply voltage / for testing equipment / minimum	195 V
operating frequency	50 Hz
supply voltage frequency	
• rated value	50 Hz

Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors

Switching capacity	
switching capacity current	
• acc. to EN 60898 / rated value	0.8 kA
• according to IEC 61008-1 / rated value	0.8 kA

Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	0.9 W
• maximum	2.7 W

Current	
tripping fault current / rated value	30 mA
residual current type	A
let-through current / permissible	5 200 kA
I ² t value / permissible	58 000 A ² ·s
surge current resistance / rated value	1 kA
operational current	
• at 40 °C / rated value	25 A
• at 45 °C / rated value	25 A
• at 50 °C / rated value	25 A
• at 55 °C / rated value	25 A
• at 60 °C / rated value	25 A
• at 65 °C / rated value	25 A
• at 70 °C / rated value	25 A

Product details	
product feature / silicon-free	Yes
product extension / installable / supplementary devices	Yes

Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	35 mm ²
connectable conductor cross-section / stranded	

• minimum	0.75 mm ²
• maximum	35 mm ²
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	72 mm
depth	70 mm
installation depth	70 mm
number of modular width units	4
fastening method	DIN rail (REG)
mounting position	any

Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	45 °C
ambient temperature / during storage	
• minimum permissible	-40 °C
• maximum permissible	75 °C
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28

Certificates	
reference code	
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F

General Product Approval

[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	other	Railway		
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EG-Konf.

[Miscellaneous](#)

[Miscellaneous](#)

[Confirmation](#)

[Vibration and Shock](#)

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV3342-6KK12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3342-6KK12>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3342-6KK12

CAX-Online-Generator

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

Tender specifications

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







