

Residual current operated circuit breaker, 4-pole, type A, In: 40 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
Protection against electrical shock	Finger and back-of-hand safe
Short-circuit current rating	10 kA
circuit-breaker / Design	5SV3
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III

Supply voltage	
Supply voltage	195 V
• for testing equipment / minimum	
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 / 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

1.9 W

Electricity

Tripping residual current / rated value

30 mA

Type of fault current

A

Current / at AC / rated value

40 A

I²t-value / permissible

55 000 A²·s

Surge current resistance / rated value

1 kA

Product details

Product feature / silicon-free

Yes

Product extension / can be installed / supplementary devices

Yes

Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30

28

Connections

Connectable conductor cross-section / stranded

- minimum

0.75 mm²

- maximum

35 mm²

Connectable conductor cross-section / solid

- 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

72 mm

Depth

70 mm

Mounting position

any

Installation depth

70 mm

Number of width units	4
Mounting type	DIN rail (REG)

Environmental conditions

Ambient temperature

- minimum -25 °C
- maximum 45 °C
- during storage / minimum permissible -40 °C
- during storage / maximum permissible 75 °C

Certificates

Reference code

- acc. to DIN EN 61346-2 F
- acc. to IEC 81346-2:2009 F

General Product Approval

Declaration of Conformity



CCC



ÖVE



VDE

[Miscellaneous](#)



EG-Konf.

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=5SV3344-6KK12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3344-6KK12>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3344-6KK12

CAX-Online-Generator

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

Tender specifications

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







