

Residual current operated circuit breaker, 2-pole, type A, In: 16 A, 30 mA, Un AC: 24-125 V



Model	
Product brand name	SENTRON
Product designation	RCCB
Design of the product	Instantaneous
Product variations	Un AC: 24-125 V
General technical data	
Number of poles	2
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
Short-circuit current / of series fuse / maximum permissible	63 A
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	
Operating current / at AC / rated value	16 A

Supply voltage	
<ul style="list-style-type: none"> • at AC / rated value • for testing equipment / minimum 	24 125 V 24 V
Operating frequency	50 Hz
Supply voltage frequency	
<ul style="list-style-type: none"> • 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	0.5 kA

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.4 W

Current	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
<ul style="list-style-type: none"> • at 40 Cel • at 45 Cel • at 50 Cel • at 55 Cel • at 60 Cel • at 65 Cel • at 70 Cel 	16 A 16 A 16 A 16 A 16 A 16 A 16 A
Type of fault current	A
I ² t-value / permissible	58 000 A ² ·s
Surge current resistance / rated value	1 kA

Product details	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

Connections	
Connectable conductor cross-section / solid	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²
Tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> • 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 width units	2
Mounting type	DIN rail (REG)
Mounting position	any

Environmental conditions

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

Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval	Declaration of Conformity	other	Railway
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[Miscellaneous](#)



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[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=5SV3311-6KK13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3311-6KK13>

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

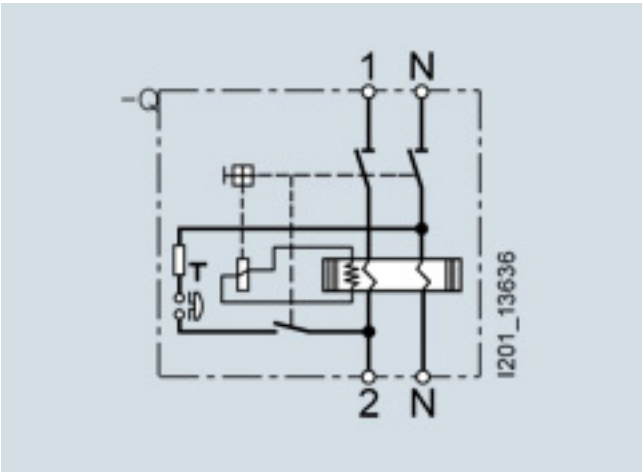
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV3311-6KK13

CAX-Online-Generator

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

Tender specifications

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



-CB



