



Residual current operated circuit breaker, 4-pole, type F, short-time delayed, In: 63 A, 300 mA, Un AC: 400 V

Model	
product brand name	SENTRON
product designation	RCCB
design of the product	Short-time delayed
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	Yes
overvoltage category	III
Supply voltage	
supply voltage	
• at AC / rated value	400 V
• for testing equipment / minimum	100 V
operating frequency	50/60 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	3.9 W
• maximum	11.7 W
Current	
tripping fault current / rated value	300 mA
operational current	
• at 40 °C / rated value	63 A
• at 45 °C / rated value	63 A
• at 50 °C / rated value	63 A
• at 55 °C / rated value	63 A
• at 60 °C / rated value	63 A
• at 65 °C / rated value	57.35 A
• at 70 °C / rated value	48.8 A

• at AC / rated value	63 A
residual current type	F
let-through current / permissible	7 100 kA
I _{2t} value / permissible	110 000 A ² ·s
surge current resistance / rated value	3 kA
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
net weight	350 g
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
General Product Approval	
Declaration of Conformity Test Certificates other	



[Miscellaneous](#)



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Railway	Dangerous Good
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[Confirmation](#)

[Vibration and Shock](#)

[Transport Information](#)

Further information

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

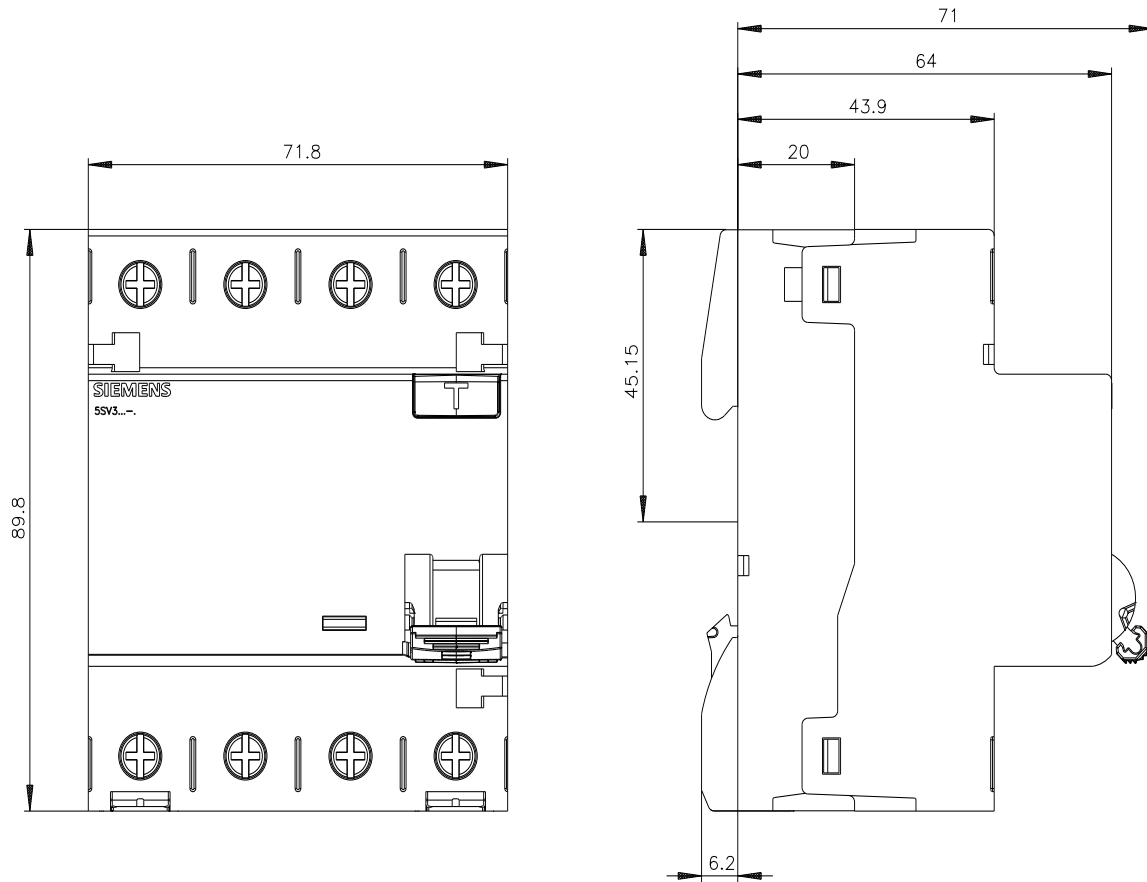
<http://www.siemens.com/lowvoltage/catalogs>

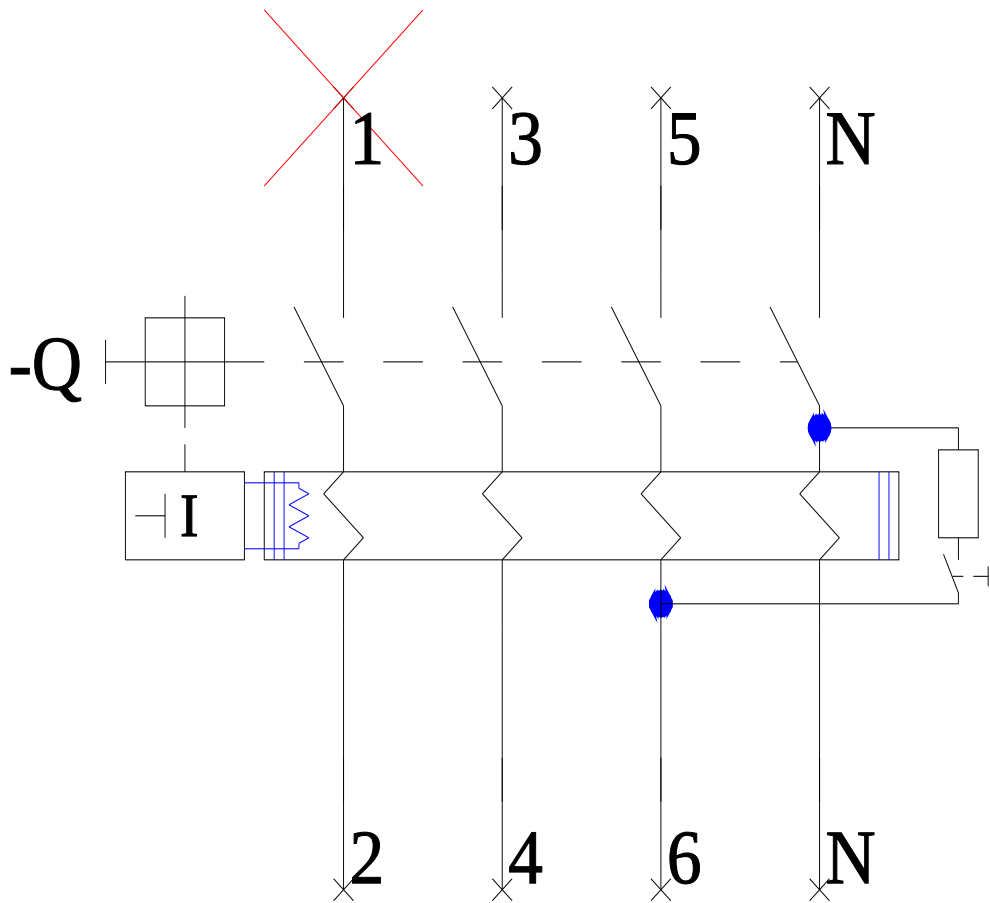
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV3646-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV3646-3>





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