



RCBO, 10 kA, 1P+N, type A, 300 mA, B char., In: 40 A, Un AC: 230 V

Model	
product brand name	SETRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles / note	1P+N
number of poles / with protection	1
tripping characteristic class	B
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
surge current resistance / at (8/20) μ s	1 kA
Supply voltage	
type of voltage	AC
operational current / at AC / rated value	40 A
supply voltage	
• at AC / rated value	230/240 V
• for testing equipment / minimum	100 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	
breaking capacity short-circuit current (I _{cn}) / according to EN 61009-1 / rated value	10 kA
switching capacity current	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	15 kA
rated residual switching capacity (I _{Δm}) / according to IEC 61009-1	10 kA
energy limitation class	3
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	7.8 W
• maximum	15.6 W

Current	
tripping fault current / rated value	300 mA
residual current type	A
Product details	
product function / neutral conductor switching	Yes
product feature / touch protection	Yes
product feature	
• halogen-free	Yes
• silicon-free	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
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm ²
• maximum	25 mm ²
tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
position / of power supply cord	Either top or bottom
Mechanical Design	
height	90 mm
width	36 mm
depth	77 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
net weight	285 g
weight / with packaging	285 g
Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	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	



[Miscellaneous](#)



Declaration of Conformity	Test Certificates	Marine / Shipping	other
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[Special Test Certificate](#)

[Miscellaneous](#)



[Miscellaneous](#)

[Miscellaneous](#)

Railway

Dangerous Good

[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=5SU1654-6KK40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1654-6KK40>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1654-6KK40

Tender specifications

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



