

RCBO, 10 kA, 1P+N, type A, 30 mA, B char., In: 20 A, Un AC: 230 V, reduced I2

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
tripping characteristic class	B
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	264 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) μ s	1 kA
tripping fault current rated value	30 mA
<ul style="list-style-type: none"> • operational current <ul style="list-style-type: none"> — at 30 °C rated value — at 40 °C rated value — at 45 °C rated value — at 50 °C rated value — at 55 °C rated value — at 60 °C rated value — at 65 °C rated value — at 70 °C rated value • operational current at AC rated value 	20 A 18.8 A 18.2 A 17.4 A 16.2 A 16.2 A 15.4 A 14.6 A 20 A
residual current type	A
Supply voltage	
supply voltage <ul style="list-style-type: none"> • at AC rated value • for testing equipment minimum 	230/240 V 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
Breaking Capacity	
switching capacity current <ul style="list-style-type: none"> • according to EN 60898 rated value • according to IEC 60947-2 rated value 	10 kA 20 kA
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	10 kA
rated residual switching capacity (I Δ m) according to IEC 61009-1	10 kA
energy limitation class	3
Product details	
product feature touch protection	Yes
product component neutral conductor switching	Yes

product feature halogen-free	Yes
product feature 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	273 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 according to IEC 60068-2-30	28

Approvals Certificates

Environment	General Product Approval
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[Miscellaneous](#)



[Confirmation](#)



General Product Approval	other	Dangerous goods
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EG-Konf.

[Miscellaneous](#)



[Confirmation](#)

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[Transport Information](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU1354-6FM20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1354-6FM20>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1354-6FM20

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

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