

RCBO, 6 kA, 1P+N, Type AC, 30



Model	
Product brand name	SENTRON
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	C
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Voltage	
Surge current resistance / at (8/20) μ s	1 kA
Supply voltage	
Supply voltage	
• for testing equipment / minimum	195 V
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	6 kA
<ul style="list-style-type: none"> • acc. to IEC 60947-2 / rated value 	15 kA
Rated residual switching capacity (I Δ m) / according to IEC 61009-1	6 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.3 W
Electricity	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
<ul style="list-style-type: none"> • at 30 Cel 	20 A
<ul style="list-style-type: none"> • at 40 Cel 	18.8 A
<ul style="list-style-type: none"> • at 45 Cel 	18.2 A
<ul style="list-style-type: none"> • at 50 Cel 	17.4 A
<ul style="list-style-type: none"> • at 55 Cel 	16.2 A
<ul style="list-style-type: none"> • at 60 Cel 	16.2 A
<ul style="list-style-type: none"> • at 65 Cel 	15.4 A
<ul style="list-style-type: none"> • at 70 Cel 	14.6 A
Type of fault current	AC
Current / at AC / rated value	20 A
Product details	
Product feature / Touch protection	Yes
Product feature	
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes
Product function	
Product function / neutral conductor switching	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
Connections	
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²

Connectable conductor cross-section	
<ul style="list-style-type: none"> • solid <ul style="list-style-type: none"> — minimum 0.75 mm² — maximum 35 mm² • finely stranded / with core end processing <ul style="list-style-type: none"> — minimum 0.75 mm² — maximum 25 mm² 	
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	Either top or bottom

Mechanical Design	
Height	90 mm
Width	36 mm
Depth	77 mm
Mounting position	any
Installation depth	70 mm
Number of width units	2
Net weight	283 g

Environmental conditions	
Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
<ul style="list-style-type: none"> • minimum -25 °C • maximum 55 °C • during storage / minimum -40 °C • during storage / maximum 75 °C 	

Certificates	
Reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 F • acc. to DIN EN 81346-2 F 	

General Product Approval	Declaration of Conformity
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CCC



IMQ



ÖVE

[Miscellaneous](#)



RCM



EG-Konf.

other	Railway
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[Miscellaneous](#)

[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=5SU1356-1KK20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1356-1KK20>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1356-1KK20

CAX-Online-Generator

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

Tender specifications

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



