

RCBO elm, 4,5 kA, 1P+N, type AC, 300 mA, C-char, In: 32 A, Un AC: 230 V

Model		
product brandname		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) $\mu$ s	kA	1
Supply voltage		
Supply voltage		
• at AC / rated value	V	230
• for testing equipment / minimum	V	100
Supply voltage frequency / rated value	Hz	50
Protection class		
Protection class IP		IP20, if the distribution board is installed, with connected conductors
Energy limiting class		3
Switching capacity		
Switching capacity current		
• acc. to EN 60898 / rated value	kA	4.5
• acc. to IEC 60947-2 / rated value	kA	6
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	5.7
• maximum	W	11.4
Electricity		

<b>Tripping residual current / rated value</b>	mA	300
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	A	30.4
<b>Type of fault current</b>		AC
Current / at AC / rated value	A	32

#### Product details

Product feature / Touch protection		Yes
<b>Product feature</b>		
• halogen-free		Yes
• silicon-free		Yes

#### Product function

Product function / neutral conductor switching		Yes
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#### Number

<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>		26
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#### Connections

<b>Connectable conductor cross-section / stranded</b>		
• minimum	mm <sup>2</sup>	0.75
• maximum	mm <sup>2</sup>	35
<b>Connectable conductor cross-section</b>		
• solid		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	35
• finely stranded / with core end processing		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	25
<b>Tightening torque / with screw-type terminals</b>		
• minimum	N·m	2.5
• maximum	N·m	3
Position / of power supply cord		Either top or bottom

#### Mechanical Design

<b>Mounting position</b>		any
<b>Installation depth</b>	mm	70
<b>Number of width units</b>		2
<b>Net weight</b>	g	258

#### Environmental conditions

<b>Influence of the surrounding temperature</b>		Max. 95% humidity
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40

• during storage / maximum

°C 75

## Certificates

### Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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## General Product Approval



IMQ



ÖVE



VDE

[sonstig](#)



RCM

## Declaration of Conformity



EG-Konf.

## Further information

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

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

### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SU1653-1KK32>

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

<http://support.automation.siemens.com/WW/view/en/5SU1653-1KK32/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SU1653-1KK32](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SU1653-1KK32)

### CAX-Online-Generator

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

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>

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