

RCBO elm, 6 kA, 1P+N, type A, 30 mA, B-char, In: 10 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		B
circuit-breaker / Design		5SU1
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		III

Voltage		
Surge current resistance / at (8/20) μ s	kA	1

Supply voltage		
Supply voltage		
<ul style="list-style-type: none"> at AC / rated value 	V	230
<ul style="list-style-type: none"> for testing equipment / minimum 	V	195
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		
<ul style="list-style-type: none"> acc. to EN 60898 / rated value 	kA	6
<ul style="list-style-type: none"> acc. to IEC 60947-2 / rated value 	kA	10

Dissipation		
Power loss [W]		
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	W	1.8
<ul style="list-style-type: none"> maximum 	W	3.6

Electricity		
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Tripping residual current / rated value	mA	30
rated current I _n / IEC, DIN/VDE / at 40 Cel	A	9.5
Type of fault current		A
Current / at AC / rated value	A	10

Product details

Product feature / Touch protection		Yes
Product feature		
• halogen-free		Yes
• silicon-free		Yes

Product function

Product function / neutral conductor switching		Yes
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Number

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

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

Mechanical Design

Height	mm	90
Width	mm	36
Depth	mm	77
Mounting position		any
Installation depth	mm	70
Number of width units		2
Net weight	g	265

Environmental conditions

Influence of the surrounding temperature		Max. 95% humidity
Ambient temperature		

- minimum
- maximum
- during storage / minimum
- during storage / maximum

°C	-25
°C	55
°C	-40
°C	75

Certificates

Equipment marking

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

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General Product Approval



CCC



IMQ



ÖVE

[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/5SU1356-6KK10>

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

<http://support.automation.siemens.com/WW/view/en/5SU1356-6KK10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SU1356-6KK10

CAX-Online-Generator

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

Tender specifications

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

last modified:

10/14/2016