



RES.CUR.OP.CIR.BR.W.OV.CUR.PROT TYPE F  
30MA, 10KA, 1+N-POLE, C 16A

Figure similar

Model		
product brand name		SENTRON
Product designation		RCBO
<b>Design of the product</b>		Short-time delayed
version		RCCB/MCB
General technical data		
<b>Number of poles</b>		2
<b>Number of poles / Note</b>		1P+N
<b>Number of poles / with protection</b>		1
<b>Tripping characteristic class</b>		C
<b>circuit-breaker / Design</b>		5SU1
<b>Mechanical service life (switching cycles) / typical</b>		10 000
<b>Overvoltage category</b>		III
Voltage		
<b>Surge current resistance / at (8/20) <math>\mu</math>s</b>	kA	3
Supply voltage		
Supply voltage frequency / Rated value	Hz	50
Protection class		
<b>Protection class IP</b>		IP20, if the distribution board is installed, with connected conductors
<b>Energy limiting class</b>		3
Switching capacity		
<b>Switching capacity current</b>		

- acc. to EN 60898 / Rated value
- acc. to IEC 60947-2 / Rated value

kA	10
kA	15

### Dissipation

#### Active power loss

- for rated value of the current / with AC / in hot operating state / per pole

W	2.8
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### Electricity

#### Tripping residual current / Rated value

rated current  $I_n$  / IEC, DIN/VDE / at 40 °C el

Current / with AC / Rated value

mA	30
A	15.2
A	16

### Product details

Product feature / Touch protection

#### Product property

- halogen-free
- silicon-free

Yes
Yes
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
- maximum

mm <sup>2</sup>	0.75
mm <sup>2</sup>	35

#### Connectable conductor cross-section

- solid
  - minimum
  - maximum
- finely stranded / with core end processing
  - minimum
  - maximum

mm <sup>2</sup>	0.75
mm <sup>2</sup>	35
mm <sup>2</sup>	0.75
mm <sup>2</sup>	25

#### Tightening torque / with screw-type terminals

- minimum
- maximum

N·m	2.5
N·m	3

Position / of power supply cord

Either top or bottom
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### Mechanical Design

mounting position

Installation depth

Number of width units

any	
mm	70
	2

## 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

<b>Equipment marking</b>		
• acc. to DIN EN 61346-2		F
• acc. to DIN EN 81346-2		F

## General Product Approval



[other](#)

## 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/5SU13544KK16>

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

<http://support.automation.siemens.com/WW/view/en/5SU13544KK16/all>

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

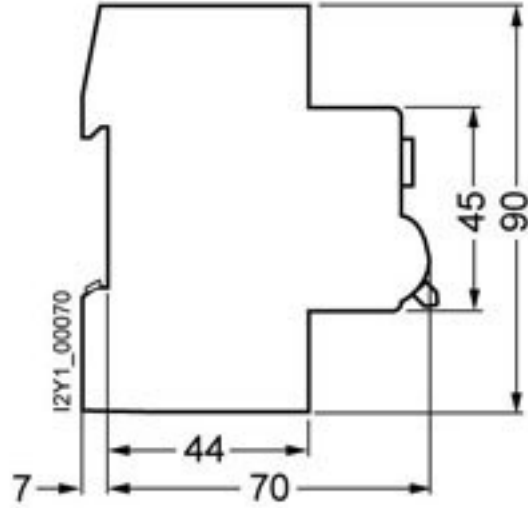
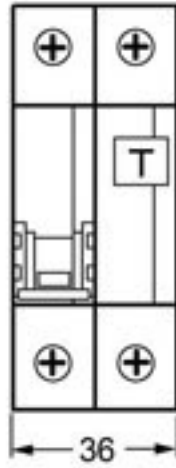
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU13544KK16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU13544KK16)

### CAX-Online-Generator

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

### Tender specifications

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



last modified:

11.03.2015