



RES.CUR.OP.CIR.BR.W.OV.CUR.PROT TYPE F
30MA, 10KA, 1+N-POLE, C 6A

Figure similar

Model		
product brand name		SENTRON
Product designation		RCBO
Design of the product		Short-time delayed
version		RCCB/MCB
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) μs	kA	3
Supply voltage		
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
- 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	1.9
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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	5.7
A	6

Product details

Product feature / Touch protection

Product property

- halogen-free
- silicon-free

Yes
Yes
Yes

Product function

Product function / neutral conductor switching

Yes

Number

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

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Connections

Connectable conductor cross-section / stranded

- minimum
- maximum

mm ²	0.75
mm ²	35

Connectable conductor cross-section

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

mm ²	0.75
mm ²	35
mm ²	0.75
mm ²	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

Mechanical Design

mounting position

Installation depth

Number of width units

any	
mm	70
	2

Environmental conditions

Influence of the surrounding temperature		Max. 95% humidity
Ambient temperature		
• 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		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/5SU13544KK06>

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

<http://support.automation.siemens.com/WW/view/en/5SU13544KK06/all>

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

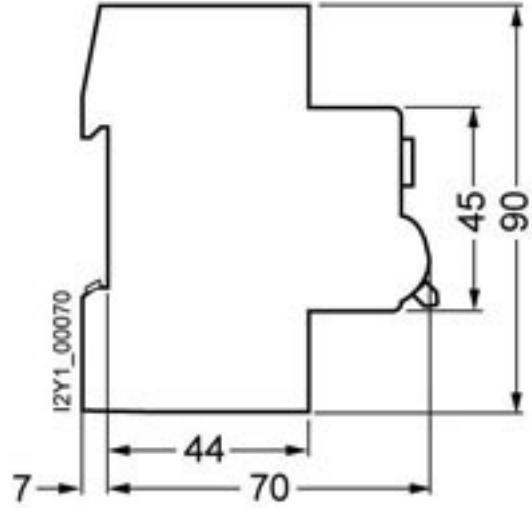
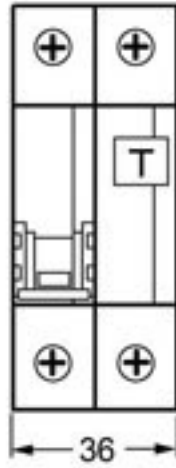
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU13544KK06

CAX-Online-Generator

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

Tender specifications

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



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