



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		
<b>Supply voltage frequency</b>		
• 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	kA	10
• acc. to IEC 60947-2 / Rated value	kA	15
<b>Dissipation</b>		
<b>Active power loss</b>		
• for rated value of the current / with AC / in hot operating state / per pole	W	2.8
<b>Electricity</b>		
<b>Tripping residual current / Rated value</b>	mA	30
<b>rated current I<sub>n</sub> / IEC, DIN/VDE</b>		
• at 40 Cel	A	15.2
<b>Current / with AC</b>		
• Rated value	A	16
<b>Net weight</b>	g	283
<b>Product details</b>		
<b>Product feature</b>		
• Touch protection		Yes
<b>Product property</b>		
• halogen-free		Yes
• silicon-free		Yes
<b>Product function</b>		
<b>Product function</b>		
• neutral conductor switching		Yes
<b>Number</b>		
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>		26
<b>Connections</b>		
<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

<b>Position</b>		
<ul style="list-style-type: none"> <li>• of power supply cord</li> </ul>		Either top or bottom

### Mechanical Design

<b>mounting position</b>		any
<b>Installation depth</b>	mm	70
<b>Number of width units</b>		2

### Environmental conditions

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

### Certificates

<b>Reference code</b>		
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>		F
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>		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?mfb=5SU13544KK16](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SU13544KK16)

**CAX-Online-Generator**

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

**Tender specifications**

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

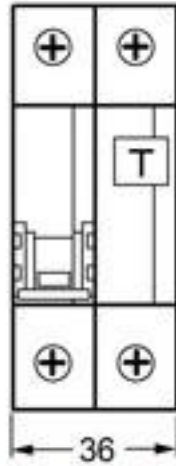
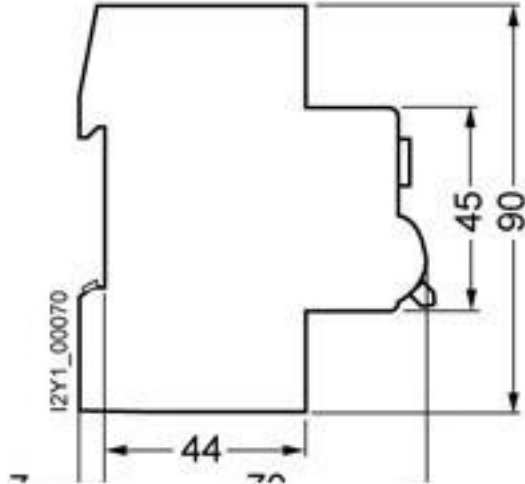


Figure similar



04.02.2015

last modified: