

RCBO, Icn: 6 kA, 1P+N, Type A, 30 mA, C-Char, In: 16 A, Un AC: 230V



Figure similar

Model	
product brand name	SENTRON
product designation	RCD-operated circuit breaker
design of the product	Instantaneous
General technical data	
number of poles	4
number of poles with protection	4
design of pole	4P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	440 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) $\mu$ s	1 kA
tripping fault current rated value	30 mA
<ul style="list-style-type: none"> <li>• operational current                             <ul style="list-style-type: none"> <li>— at 30 °C rated value</li> </ul> </li> <li>• operational current at AC rated value</li> </ul>	16 A
residual current type	A
Supply voltage	
supply voltage <ul style="list-style-type: none"> <li>• at AC rated value</li> <li>• for testing equipment minimum</li> </ul>	400 V 125 V
operating frequency	50/60 Hz
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
switching capacity current <ul style="list-style-type: none"> <li>• according to EN 60898 rated value</li> <li>• according to IEC 60947-2 rated value</li> </ul>	6 kA 10 kA
short-circuit current breaking capacity (Icn) according to EN 61009-1 rated value	6 kA
rated residual switching capacity (I $\Delta$ m) according to IEC	3 kA

<b>61009-1</b>		
<b>energy limitation class</b>	3	
<b>Dissipation</b>		
<b>power loss [W]</b>		
<ul style="list-style-type: none"> <li>for rated value of the current at AC in hot operating state per pole</li> </ul>	0.75 W	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	1.5 W	
<b>Product details</b>		
<b>product feature touch protection</b>	Yes	
product component neutral conductor switching	Yes	
<b>product feature halogen-free</b>	Yes	
<b>product feature silicon-free</b>	Yes	
<b>Product function</b>		
<b>product function</b>	voltage dependent RCD function	
<b>Connections</b>		
<b>connectable conductor cross-section solid</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	0.75 mm <sup>2</sup>	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	35 mm <sup>2</sup>	
<b>connectable conductor cross-section stranded</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	0.75 mm <sup>2</sup>	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	35 mm <sup>2</sup>	
<b>connectable conductor cross-section finely stranded with core end processing</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	0.75 mm <sup>2</sup>	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	25 mm <sup>2</sup>	
<b>tightening torque with screw-type terminals</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	2.5 N·m	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	3 N·m	
<b>position of power supply cord</b>	Either top or bottom	
<b>Mechanical Design</b>		
<b>height</b>	90 mm	
<b>width</b>	126 mm	
<b>depth</b>	77 mm	
<b>installation depth</b>	70 mm	
<b>number of modular width units</b>	2	
<b>mounting position</b>	any	
<b>Net Weight</b>	0.79 kg	
<b>Environmental conditions</b>		
<b>influence of the surrounding temperature</b>	Max. 95% humidity	
<b>ambient temperature during operation</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-25 °C	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	45 °C	
<b>ambient temperature during storage</b>		
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-40 °C	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	75 °C	
<b>number of test cycles for environmental testing according to IEC 60068-2-30</b>	28	
<b>Approvals Certificates</b>		
<b>Environment</b>	<b>General Product Approval</b>	<b>other</b>

[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)



[Confirmation](#)

[Confirmation](#)



**Further information**

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**Information for data generation and storage**

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SU9346-7CR16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU9346-7CR16>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SU9346-7CR16](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU9346-7CR16)

CAX-Online-Generator

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

Tender specifications

<https://www.siemens.com/specifications>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

---

last modified:

7/22/2025 

