



RCBO, 6 kA, 4P Type A, 30 mA, B-Char, In: 25A Un: 400V Energy limiting class 1: check for normative use limitations

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	4
number of poles / with protection	4
tripping characteristic class	B
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	3
Voltage	
type of voltage / of the operating voltage	AC
insulation voltage (U <sub>i</sub> ) / rated value	500 V
surge voltage resistance / rated value	4 000 V
surge current resistance / at (8/20) μs	0.25 kA
Supply voltage	
supply voltage	
• at AC / rated value	400 V
• for testing equipment / minimum	195 V
operating frequency	50 Hz
supply voltage frequency / rated value	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
breaking capacity short-circuit current (I <sub>cn</sub> ) / according to EN 61009-1 / rated value	6 kA
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
rated residual switching capacity (I <sub>Δm</sub> ) / according to IEC 61009-1	4.5 kA
Dissipation	
power loss [W]	
• maximum	2.9 W
Current	
tripping fault current / rated value	30 mA

operational current		
<ul style="list-style-type: none"> <li>• at 30 °C / rated value</li> <li>• at 40 °C / rated value</li> <li>• at 45 °C / rated value</li> <li>• at 50 °C / rated value</li> <li>• at 55 °C / rated value</li> <li>• at 60 °C / rated value</li> <li>• at AC / rated value</li> </ul>	25 A	
	24 A	
	23.5 A	
	23 A	
	22.5 A	
	22 A	
	25 A	
residual current type	A	
<b>Product details</b>		
product component / neutral conductor switching	Yes	
product feature / touch protection	Yes	
product feature		
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	No	
<b>Connections</b>		
connectable conductor cross-section / solid		
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>	
connectable conductor cross-section / stranded		
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>	
connectable conductor cross-section / finely stranded / with core end processing		
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>	
tightening torque / with screw-type terminals		
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	2 N·m	
	2 N·m	
position / of power supply cord	Either top or bottom	
<b>Mechanical Design</b>		
height	85 mm	
width	72 mm	
depth	72 mm	
installation depth	70 mm	
number of modular width units	4	
mounting position	Any	
net weight	452 g	
weight / with packaging	503 g	
<b>Environmental conditions</b>		
influence of the surrounding temperature	Max. 95% humidity	
ambient temperature / during operation		
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-25 °C	
	40 °C	
ambient temperature / during storage		
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-40 °C	
	70 °C	
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28	
<b>Certificates</b>		
reference code		
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to IEC 81346-2</li> </ul>	F	
	F	
<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>

[Miscellaneous](#)



EG-Konf.

[Miscellaneous](#)

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## Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=5SU1346-6FP25>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-6FP25>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SU1346-6FP25](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SU1346-6FP25)

CAX-Online-Generator

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

Tender specifications

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

