



RCBO, 6 kA, 4P Type A, 30 mA, B-Char, In: 16A Un: 400V

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
design of pole	4P
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 (Ui) 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 (Icn) according to EN 61009-1 rated value	6 kA
switching capacity current	
• according to EN 60898 rated value	6 kA
• according to IEC 60947-2 rated value	6 kA
residual switching capacity (IΔm) according to IEC 61009-1	4.5 kA
energy limitation class	3
Dissipation	
power loss [W]	
• maximum	2.3 W
Current	
tripping fault current rated value	30 mA
operational current	

• at 30 °C rated value • at 40 °C rated value • at 45 °C rated value • at 50 °C rated value • at 55 °C rated value • at 60 °C rated value • at AC rated value	16 A		
	15.2 A		
	14.8 A		
	14.3 A		
	13.9 A		
	13.4 A		
	16 A		
residual current type	A		
Product details			
product feature			
• halogen-free	No		
Connections			
connectable conductor cross-section solid			
• minimum	1 mm ²		
• maximum	35 mm ²		
connectable conductor cross-section stranded			
• minimum	1 mm ²		
• maximum	35 mm ²		
connectable conductor cross-section finely stranded with core end processing			
• minimum	1 mm ²		
• maximum	35 mm ²		
tightening torque with screw-type terminals			
• minimum	2 N·m		
• maximum	2 N·m		
position of power supply cord	Either top or bottom		
Mechanical Design			
height	85 mm		
width	72 mm		
depth	72 mm		
installation depth	70 mm		
number of modular width units	4		
mounting position	Any		
net weight	501 g		
weight with packaging	574 g		
Environmental conditions			
influence of the surrounding temperature	Max. 95% humidity		
ambient temperature during operation			
• minimum	-25 °C		
• maximum	40 °C		
ambient temperature during storage			
• minimum	-40 °C		
• maximum	70 °C		
number of test cycles for environmental testing according to IEC 60068-2-30	28		
Certificates			
reference code			
• according to EN 61346-2	F		
• according to IEC 81346-2	F		
General Product Approval		Declaration of Conformity	other

[Confirmation](#)

[Miscellaneous](#)



[Miscellaneous](#)

other

Dangerous Good

[Environmental Con-
firmations](#)

[Miscellaneous](#)

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tion](#)

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?mlfb=5SU1346-6FP16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1346-6FP16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1346-6FP16

CAX-Online-Generator

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

Tender specifications

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



