



RCBO, 6 kA, 3P Type A, 300mA, 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	3
number of poles / with protection	3
design of pole	3P
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	340 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
rated 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	300 mA

operational current	
• at 30 °C / rated value	16 A
• at 40 °C / rated value	15.2 A
• at 45 °C / rated value	14.8 A
• at 50 °C / rated value	14.3 A
• at 55 °C / rated value	13.9 A
• at 60 °C / rated value	13.4 A
• at AC / rated value	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	54 mm
depth	72 mm
installation depth	70 mm
number of modular width units	3
mounting position	Any
net weight	370 g
weight / with packaging	411 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
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[Confirmation](#)

[Miscellaneous](#)



[Miscellaneous](#)

other	Dangerous Good
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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?mlfb=5SU1636-6FP16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1636-6FP16>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1636-6FP16

CAX-Online-Generator

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

Tender specifications

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



