



RCBO, 6 kA, 3P Type A, 300mA, C-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	C
mechanical service life (operating cycles) typical	10 000
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) μ s	0.25 kA
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 70 °C rated value	12.5 A
• at AC rated value	16 A
residual current type	A
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
Breaking Capacity	
short-circuit current breaking capacity (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 (I Δ m) according to IEC 61009-1	4.5 kA
Dissipation	
power loss [W]	
• maximum	2.3 W
Product details	
product feature touch protection	Yes
product component neutral conductor switching	No
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	353 g
weight with packaging	367 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
Approvals Certificates	
General Product Approval	other



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[Confirmation](#)

other

Dangerous goods

Environment



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[Environmental Con-
firmations](#)

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firmations](#)

Further information

Information on the packaging

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

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=5SU1636-7FP16>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1636-7FP16>

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

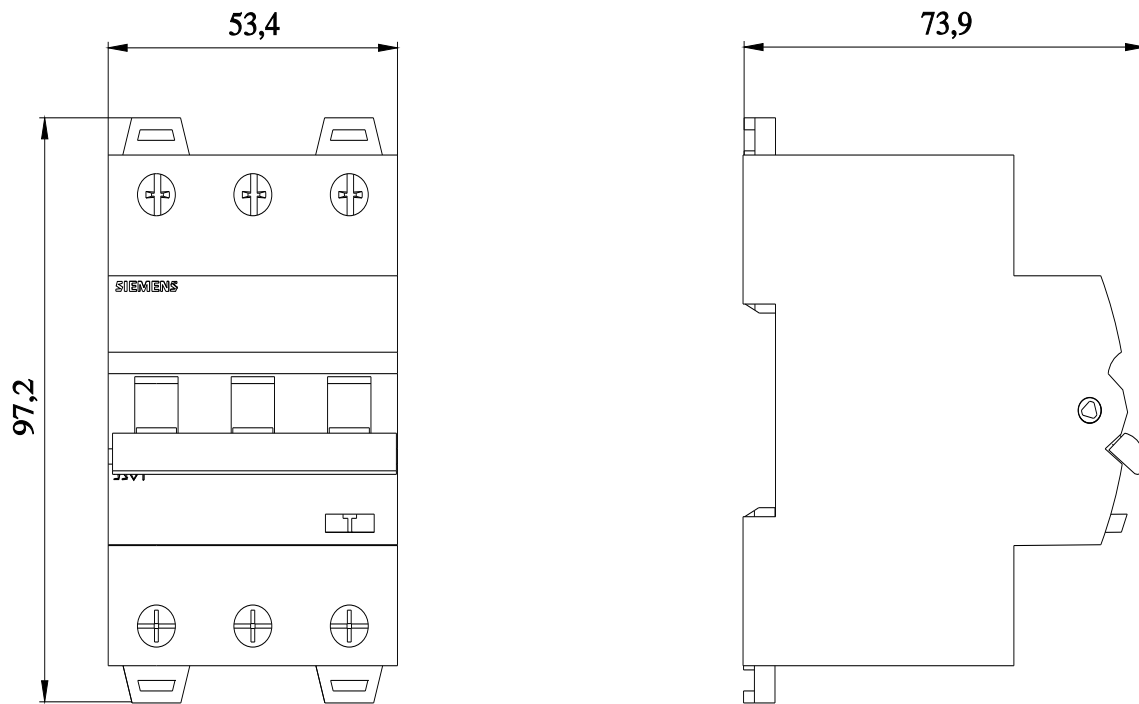
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1636-7FP16

CAx-Online-Generator

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

Tender specifications

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



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