



5SV1 RCBOs Type A 30mA B13 6kA 1+N 1MW, bulk packaging 12 units

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles / note	1P+N
number of poles / with protection	1
tripping characteristic class	B
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
surge current resistance / at (8/20) μ s	1 kA
Supply voltage	
type of voltage	AC
operational current / at AC / rated value	13 A
supply voltage	
• at AC / rated value	230 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_{cn}) / 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	15 kA
rated residual switching capacity ($I_{\Delta m}$) / according to IEC 61009-1	4.5 kA
energy limitation class	3
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	1.3 W
• maximum	2.6 W

Current		
tripping fault current / rated value		30 mA
residual current type		A
Product details		
product function / neutral conductor switching		Yes
product feature / touch protection		Yes
product feature		
• halogen-free		Yes
• silicon-free		Yes
Connections		
connectable conductor cross-section / solid		
• minimum		0.75 mm²
• maximum		16 mm²
connectable conductor cross-section / stranded		
• minimum		0.75 mm²
• maximum		16 mm²
connectable conductor cross-section / finely stranded / with core end processing		
• minimum		0.75 mm²
• maximum		10 mm²
tightening torque / with screw-type terminals		
• minimum		1.2 N·m
• maximum		2 N·m
position / of power supply cord		Either top or bottom
Mechanical Design		
height		90 mm
width		18 mm
depth		77 mm
installation depth		70 mm
number of modular width units		1
mounting position		any
net weight		117 g
weight / with packaging		133 g
Environmental conditions		
influence of the surrounding temperature		Max. 95% humidity
ambient temperature / during operation		
• minimum		-25 °C
• maximum		45 °C
ambient temperature / during storage		
• minimum		-40 °C
• maximum		75 °C
number of test cycles / for environmental testing / acc. to IEC 60068-2-30		28
Certificates		
reference code		
• acc. to DIN EN 61346-2		F
• acc. to IEC 81346-2		F
General Product Approval	Test Certificates	other



[Special Test Certificate](#)

[Special Test Certificate](#)

[Special Test Certificate](#)

[Confirmation](#)

[Miscellaneous](#)

other

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=5SV1316-6GV13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-6GV13>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-6GV13

Tender specifications

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

