



Figure similar

Model	
product brand name	SENTRON
product designation	RCBO
design of the product	Super resistant K
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
tripping characteristic class	B
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	253 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) µs	3 kA
tripping fault current rated value	30 mA
operational current	
• at 30 °C rated value	10 A
• at 40 °C rated value	9.4 A
• at 45 °C rated value	9.1 A
• at 50 °C rated value	8.8 A
• at 55 °C rated value	8.4 A
• at 60 °C rated value	8.1 A
• at 65 °C rated value	7.7 A
• at 70 °C rated value	7.4 A
• at AC rated value	10 A
residual current type	F
Supply voltage	
supply voltage	
• at AC rated value	230 V
• for testing equipment minimum	195 V
operating frequency	50/60 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 (I _{cn}) 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	25 kA		
rated residual switching capacity (I _{Δm}) according to IEC 61009-1	4.5 kA		
energy limitation class	3		
Dissipation			
power loss [W]			
• maximum	2.2 W		
Product details			
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 according to IEC 60068-2-30	28		
Environmental footprint			
Siemens Eco Profile (SEP)	Siemens EcoTech		
Approvals Certificates			
General Product Approval		Marine / Shipping	other



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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=5SV1316-3KK10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV1316-3KK10>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV1316-3KK10

CAx-Online-Generator

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

Tender specifications

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





