



Figure similar

RCBO, Icn: 6 kA, 1P+N, type A, 30 mA, B char., In: 10 A, Un AC: 240 V, pigtail 600 mm

Model	
product brand name	SETRON
product designation	RCD-operated circuit breaker
design of the product	Instantaneous
General technical data	
number of poles	2
number of poles with protection	1
design of pole	1P+N
tripping characteristic class	B
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	264 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) µs	1 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	8.7 A
• at 55 °C rated value	8.4 A
• at AC rated value	10 A
residual current type	A
Supply voltage	
supply voltage	
• at AC rated value	230/240 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 (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]		
for rated value of the current at AC in hot operating state per pole	2.04 W	
maximum	3.3 W	
Product details		
product feature touch protection	Yes	
product component neutral conductor switching	Yes	
product feature		
silicon-free	Yes	
Product function		
product function	voltage dependent RCD function	
Connections		
connectable conductor cross-section using the upper clamping point without core end processing		
minimum	0.75 mm²	
maximum	35 mm²	
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	from below	
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	153 g	
weight with packaging	155 g	
Environmental conditions		
influence of the surrounding temperature	Max. 95% humidity	
ambient temperature during operation		
minimum	-25 °C	
maximum	55 °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	
Approvals Certificates		
General Product Approval	EMV	other



[Confirmation](#)



[Miscellaneous](#)

other	Environment	
Confirmation	Environmental Con- firmations	Environmental Con- 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=5SV9316-6PK10>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SV9316-6PK10>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV9316-6PK10
CAx-Online-Generator
<http://www.siemens.com/cax>
Tender specifications
<http://www.siemens.com/specifications>

last modified: 7/5/2024 

