



RCBO, I_{cn}: 6 kA, 1P+N, type A, 30 mA, B char., I_n: 25 A, U_n 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 (U _i) rated value	264 V
surge voltage resistance rated value	4 000 V
surge current resistance at (8/20) μs	1 kA
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
Switching 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	6 kA
rated residual switching capacity (I _{Δm}) 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	2.86 W
• maximum	6 W
operational current	
• at 30 °C rated value	25 A
• at 40 °C rated value	23.75 A

• at 45 °C rated value • at 50 °C rated value • at 55 °C rated value	23 A 22.25 A 21.5 A
--	---------------------------

Product details

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 • maximum	0.75 mm ² 35 mm ²
connectable conductor cross-section solid	
• minimum • maximum	0.75 mm ² 16 mm ²
connectable conductor cross-section stranded	
• minimum • maximum	0.75 mm ² 16 mm ²
connectable conductor cross-section finely stranded with core end processing	
• minimum • maximum	0.75 mm ² 10 mm ²
tightening torque with screw-type terminals	
• minimum • maximum	1.2 N·m 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	140 g
weight with packaging	155 g

Environmental conditions

influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
• minimum • maximum	-25 °C 55 °C
ambient temperature during storage	
• minimum • maximum	-40 °C 75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

General Product Approval	EMC	other	Environment
--------------------------	-----	-------	-------------

[Confirmation](#)



[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SV9316-6PK25>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV9316-6PK25>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV9316-6PK25

CAX-Online-Generator

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

Tender specifications

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

last modified:

8/13/2023 

