



RCBO, Icn: 6 kA, 1P+N, type A, 30 mA, B char., In: 25 A, Un AC: 240 V, pigtail 600 mm

Figure similar

Model	
product brand name	SENTRON
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	3
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) μ s	1 kA
tripping fault current rated value	30 mA
<ul style="list-style-type: none"> ● operational current <ul style="list-style-type: none"> — at 30 °C rated value — at 40 °C rated value — at 45 °C rated value — at 50 °C rated value — at 55 °C rated value ● operational current at AC rated value 	25 A 23.75 A 23 A 22.25 A 21.5 A 25 A
residual current type	A
Supply voltage	
supply voltage <ul style="list-style-type: none"> ● at AC rated value ● for testing equipment minimum 	230/240 V 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	
switching capacity current <ul style="list-style-type: none"> ● according to EN 60898 rated value ● according to IEC 60947-2 rated value 	6 kA 6 kA

short-circuit current breaking capacity (I _{cn}) according to EN 61009-1 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]			
<ul style="list-style-type: none"> for rated value of the current at AC in hot operating state per pole 	2.86 W		
<ul style="list-style-type: none"> maximum 	6 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			
<ul style="list-style-type: none"> minimum 	0.75 mm ²		
<ul style="list-style-type: none"> maximum 	35 mm ²		
connectable conductor cross-section solid			
<ul style="list-style-type: none"> minimum 	0.75 mm ²		
<ul style="list-style-type: none"> maximum 	16 mm ²		
connectable conductor cross-section stranded			
<ul style="list-style-type: none"> minimum 	0.75 mm ²		
<ul style="list-style-type: none"> maximum 	16 mm ²		
connectable conductor cross-section finely stranded with core end processing			
<ul style="list-style-type: none"> minimum 	0.75 mm ²		
<ul style="list-style-type: none"> maximum 	10 mm ²		
tightening torque with screw-type terminals			
<ul style="list-style-type: none"> minimum 	1.2 N·m		
<ul style="list-style-type: none"> 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	161 g		
weight with packaging	155 g		
Environmental conditions			
influence of the surrounding temperature	Max. 95% humidity		
ambient temperature during operation			
<ul style="list-style-type: none"> minimum 	-25 °C		
<ul style="list-style-type: none"> maximum 	55 °C		
ambient temperature during storage			
<ul style="list-style-type: none"> minimum 	-40 °C		
<ul style="list-style-type: none"> maximum 	75 °C		
number of test cycles for environmental testing according to IEC 60068-2-30	28		
Approvals Certificates			
General Product Approval	EMV	other	Environment

[Confirmation](#)



[Confirmation](#)



Environment

[Environmental Confirmations](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://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, ...)

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

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)

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