



Differential current monitoring device analog, Type A IDN 0.03A 5A 0.02 5 sec.

Model	
product brand name	SENTRON
product designation	residual current monitor
design of the product	Analog, type A
adjustable response delay time	
• initial value	0.02 s
• full-scale value	5 s
frequency of the measuring circuit rated value	
• minimum	50 Hz
• maximum	60 Hz
protection class IP at connection all terminals	IP20
type of connectable summation current transformer	5SV8700-0KK, 5SV8701-0KK, 5SV8702-0KK, 5SV8703-0KK, 5SV8704-0KK, 5SV8705-0KK, 5SV8706-0KK
overvoltage category	III
degree of pollution	2
type of voltage of the operating voltage for actuation	AC
operating voltage	
• rated value minimum	184 V
• rated value maximum	276 V
• at AC rated value	230 V
protection class IP on the front	IP41
Dissipation	
power loss [V·A] maximum	3 VA
Main circuit	
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Auxiliary circuit	
number of CO contacts for auxiliary contacts	1
Relay contacts	
switching voltage of relay contacts rated value	230 V
switching current of relay contacts rated value	6 A
Product function	
product function	
• residual current display	No
• error memory	Yes
Connections	
product component removable terminal for main circuit	No
product component removable terminal for auxiliary and control circuit	No

wire length to the summation current transformer	10 m
<b>stripped length</b>	10 mm
<b>connectable conductor cross-section for flexible conductor</b>	
• minimum	0.14 mm <sup>2</sup>
• maximum	2.5 mm <sup>2</sup>
<b>connectable conductor cross-section for rigid conductor</b>	
• minimum	0.14 mm <sup>2</sup>
• maximum	2.5 mm <sup>2</sup>
<b>tightening torque with screw-type terminals</b>	
• minimum	0.5 N·m
• maximum	0.6 N·m
<b>type of connectable conductor cross-sections for AWG cables for supply voltage</b>	AWG 25 ... AWG 14
<b>type of electrical connection</b>	screw terminal

#### Mechanical Design

<b>height</b>	85 mm
<b>width</b>	36 mm
<b>depth</b>	68 mm
<b>fastening method</b>	DIN rail
<b>net weight</b>	187 g

#### Environmental conditions

<b>influence of the surrounding temperature</b>	Max. 95% humidity
<b>ambient temperature during operation</b>	
• minimum	-10 °C
• maximum	50 °C
<b>ambient temperature during storage</b>	
• minimum	-20 °C
• maximum	70 °C

#### Certificates

<b>reference code according to IEC 81346-2</b>	K
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#### Approvals Certificates

General Product Approval	other	Environment
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EG-Konf.



[Confirmation](#)

[Environmental Confirmations](#)

[Environmental Confirmations](#)

#### 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=5SV8000-6KK>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV8000-6KK>

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

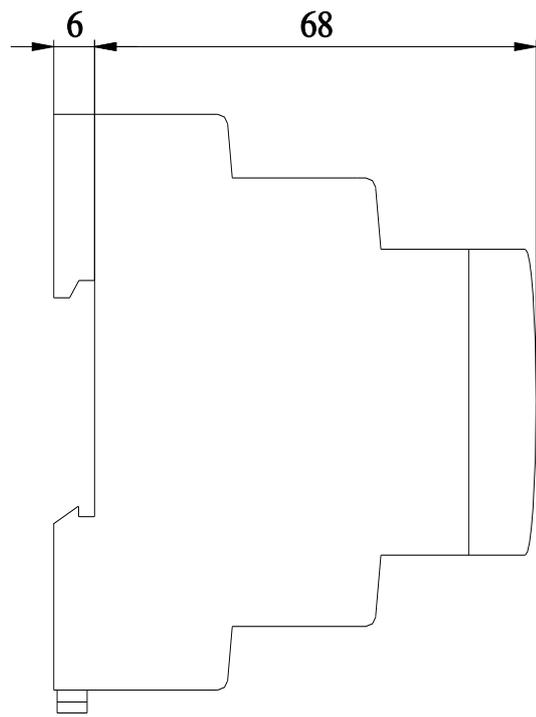
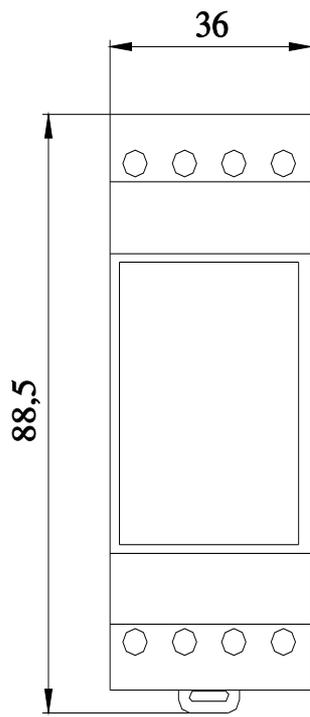
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV8000-6KK](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV8000-6KK)

CAX-Online-Generator

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

Tender specifications

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



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