



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

• communication function	No
<b>Connections</b>	
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

<b>Mechanical Design</b>	
height	85 mm
width	36 mm
depth	68 mm
fastening method	DIN rail
Net Weight	187 g

<b>Environmental conditions</b>	
influence of the surrounding temperature	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

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

<b>Approvals Certificates</b>	
Environment	General Product Approval

[Environmental Con-  
firmations](#)



[Environmental Con-  
firmations](#)



[Confirmation](#)



General Product Ap-  
proval

other



[Confirmation](#)

#### 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=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, ...)

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

CAX-Online-Generator

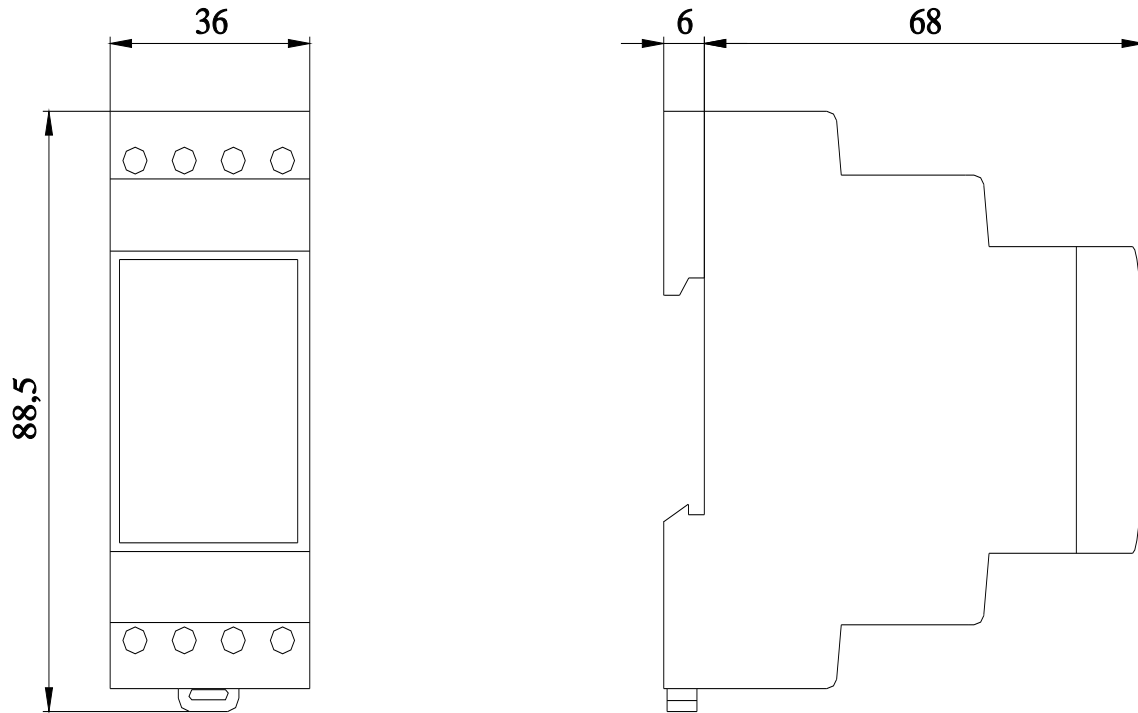
<https://www.siemens.com/cax>

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='HAUPT'></mmp_prod_no>)



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