



Differential current monitoring device Digital, Type A IDN 0.03 A 30 A 0.02 10 sec. (INS, SEL)

Model	
product brand name	SENTRON
product designation	residual current monitor
design of the product	Digital, type A
adjustable response delay time	
• initial value	0.02 s
• full-scale value	10 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	6 VA
Current	
adjustable current response value current 2	
• initial value	30 mA
• full-scale value	30 A
Main circuit	
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Auxiliary circuit	
number of CO contacts for auxiliary contacts	2
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	Yes
• error memory	Yes

Connections	
wire length to the summation current transformer	10 m
stripped length	10 mm
connectable conductor cross-section for flexible conductor	
• minimum	0.13 mm ²
• maximum	2.1 mm ²
connectable conductor cross-section for rigid conductor	
• minimum	0.13 mm ²
• maximum	2.1 mm ²
tightening torque with screw-type terminals	
• minimum	0.5 N·m
• maximum	0.6 N·m
type of connectable conductor cross-sections at AWG	AWG 26 ... AWG 14
cables for supply voltage	
type of electrical connection	screw-type terminals

Mechanical Design	
height	85 mm
width	54 mm
depth	68 mm
net weight	290 g

Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
• Ambient temperature during operation minimum permissible	-10 °C
• ambient temperature during operation maximum permissible	50 °C
ambient temperature during storage	
• minimum	-20 °C
• maximum	70 °C

Certificates	
reference code	
• according to EN 61346-2	K
• according to IEC 81346-2	K

General Product Approval	Declaration of Conformity	other
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[Confirmation](#)



[Miscellaneous](#)

Further information

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=5SV8001-6KK>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV8001-6KK>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV8001-6KK

CAX-Online-Generator

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

Tender specifications

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



