



modular residual current device type B, 230 V AC, LCD, 50/60 Hz, I<sub>dn</sub> 30 mA - 1 A, 0-2000 Hz

Model	
product brand name	SETRON
product designation	modular residual current device
design of the product	Digital, type B
adjustable response delay time	
• initial value	0.06 s
• full-scale value	10 s
frequency of the measuring circuit rated value	
• minimum	0 Hz
• maximum	2 000 Hz
protection class IP at connection all terminals	IP20
type of connectable summation current transformer	5SV8701-2KK, 5SV8701-2KP, 5SV8702-2KK, 5SV8702-2KP, 5SV8703-2KK, 5SV8704-2KK
overvoltage category	III
degree of pollution	3
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	IP30
Dissipation	
power loss [V·A] maximum	6.5 VA
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	250 V
switching current of relay contacts rated value	5 A
Product function	
product function	
• residual current display	Yes
• error memory	Yes
• communication function	No
• password protection	Yes
Connections	

product component removable terminal for main circuit	No
product component removable terminal for auxiliary and control circuit	Yes
wire length to the summation current transformer	10 m
stripped length	8 mm
connectable conductor cross-section for flexible conductor	
• minimum	0.2 mm <sup>2</sup>
• maximum	2.5 mm <sup>2</sup>
connectable conductor cross-section for rigid conductor	
• minimum	0.2 mm <sup>2</sup>
• maximum	4 mm <sup>2</sup>
tightening torque with screw-type terminals	
• minimum	0.5 N·m
• maximum	0.6 N·m
type of connectable conductor cross-sections for AWG cables for supply voltage	AWG 24 ... AWG 14
type of electrical connection	screw terminal

#### Mechanical Design

height	85 mm
width	36 mm
depth	64 mm
fastening method	DIN rail
Net Weight	233 g
material of the enclosure	PC

#### Environmental conditions

influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-25 °C
• maximum	55 °C

#### Certificates

reference code according to IEC 81346-2	F
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#### Approvals Certificates

General Product Approval	other
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[Confirmation](#)



[Confirmation](#)



other	Environment
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[Miscellaneous](#)



[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)

#### 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=5SV8101-4KK>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV8101-4KK>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SV8101-4KK](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV8101-4KK)

**CAx-Online-Generator**  
<https://www.siemens.com/cax>

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

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