



Residual Current Monitor analog Type A 1 Channel

Model	
product brand name	SENTRON
product designation	residual current monitor
design of the product	Analog, type A
adjustable response delay time	
• initial value	0 s
• full-scale value	10 s
frequency of the measuring circuit rated value	
• minimum	50 Hz
protection class IP at connection all terminals	IP20
overvoltage category	III
degree of pollution	2
type of voltage of the operating voltage for actuation	AC
operating voltage	
• rated value minimum	110 V
• rated value maximum	240 V
• at AC rated value	230 V
• at DC rated value	24 V
protection class IP	IP20
protection class IP on the front	IP30
Main circuit	
operating frequency rated value	
• minimum	50 Hz
• maximum	60 Hz
Control current	
control supply voltage	
• at DC rated value minimum	24 V
• at DC rated value maximum	240 V
• at AC at 50 Hz rated value minimum	100 V
• at AC at 50 Hz rated value maximum	240 V
• at AC at 60 Hz rated value minimum	100 V
• at AC at 60 Hz rated value maximum	240 V
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	5 A
Product function	
product function	
• residual current display	No

• error memory • communication function	Yes	
	No	
Connections		
product component removable terminal for main circuit	No	
wire length to the summation current transformer	10 m	
stripped length	7 mm	
connectable conductor cross-section for flexible conductor • minimum • maximum	0.2 mm² 1.5 mm²	
connectable conductor cross-section for rigid conductor • minimum • maximum	0.2 mm² 1.5 mm²	
type of electrical connection	tab connection	
Mechanical Design		
height	109 mm	
width	18 mm	
depth	64 mm	
fastening method	DIN rail	
net weight	65 g	
Environmental conditions		
influence of the surrounding temperature	Max. 95% humidity	
ambient temperature during operation • minimum • maximum	-25 °C 60 °C	
ambient temperature during storage • minimum • maximum	-40 °C 70 °C	
Certificates		
reference code according to IEC 81346-2	K	
Approvals Certificates		
General Product Approval	other	Environment



[Confirmation](#)

[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=5SV8020-6KK>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SV8020-6KK>

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

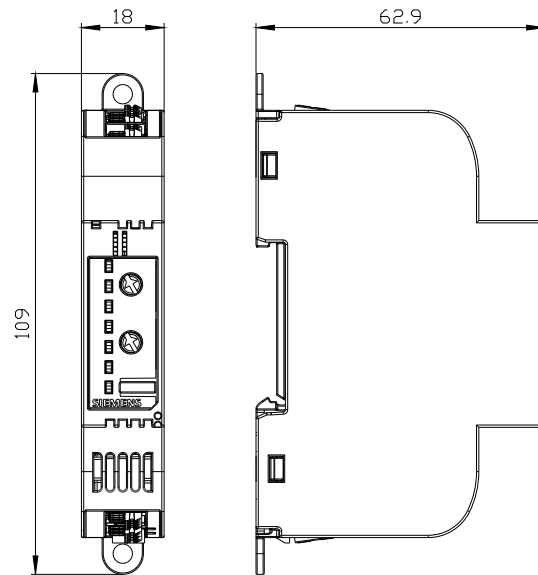
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV8020-6KK

CAX-Online-Generator

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

Tender specifications

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



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