SIEMENS

Data sheet 5SV8001-6KK

Siemens EcoTech



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 V·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

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● communication function	No
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
stripped length	10 mm
connectable conductor cross-section for flexible conductor	
● minimum	0.13 mm²
● maximum	2.1 mm²
connectable conductor cross-section for rigid conductor	
● minimum	0.13 mm²
● maximum	2.1 mm²
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 26 ... AWG 14
type of electrical connection	screw terminal
Mechanical Design	
height	85 mm
width	54 mm
depth	68 mm
fastening method	DIN-rail mounting
Net Weight	267 g
Environmental conditions	
influence of the surrounding temperature	Max. 95% humidity
ambient temperature during operation	
● minimum	-10 °C
● maximum	50 °C
ambient temperature during storage	
● minimum	-20 °C
● maximum	70 °C
Certificates	
reference code according to IEC 81346-2	K

Approvals Certificates

Environment			General Product Approval		
Environmental Con-firmations	Environmental Con-firmations	Siemens EcoTech	cULus cURus	EAC	Confirmation

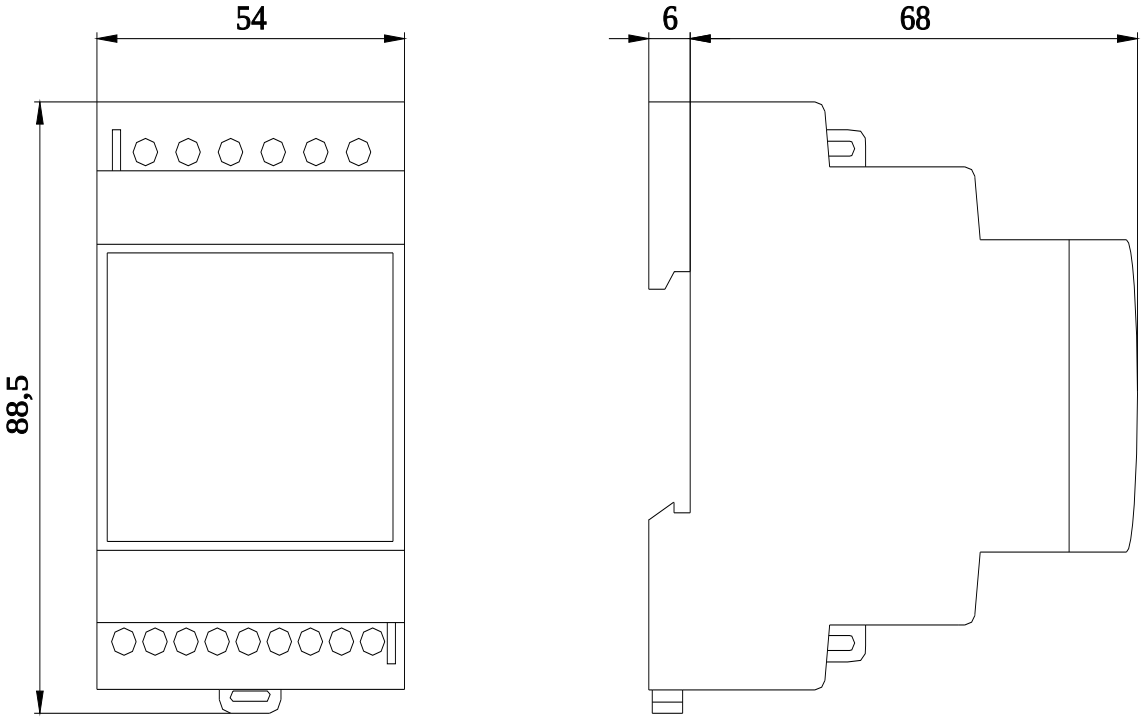
General Product Approval		other	
CE EG-Konf.	UKCA	Confirmation	产品合格 QC PASS

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=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, ...)

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https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV8001-6KK
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5SV8001-6KK



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