SIEMENS

Data sheet 5SV8101-4KK

Siemens EcoTech

modular residual current device type B, 230 V AC, LCD, 50/60 Hz, Idn 30 mA - 1 A, 0-2000 Hz



Model	
product brand name	SENTRON
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 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	250 V
switching current of relay contacts rated value	5 A
Product function	
product function	
● residual current display	Yes
● error memory	Yes

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● 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 mm²
● maximum	2.5 mm²
connectable conductor cross-section for rigid conductor	
● minimum	0.2 mm²
● maximum	4 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 24 ... AWG 14
type of electrical connection	screw terminal
Mechanical Design	
height	85 mm
width	36 mm
depth	64 mm
fastening method	DIN-rail mounting
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

Approvals Certificates

Environment			General Product Approval		
Environmental Confirmations	Siemens EcoTech	Environmental Confirmations	EAC	Confirmation	CE EG-Konf.

General Product Approval	other		
UKCA	Miscellaneous	产品合格 QC PASS	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)

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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

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

Tender specifications
https://www.siemens.com/specifications

Kennlinien
https://curves.simaris.siemens.com/curves/5SV8101-4KK

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