



Modular residual current device Type B, 230 V AC, LCD, 50/60 Hz, IDN 30 mA 1A, 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                                                                          |
| • password protection                                          | Yes                                                                          |
| Connections                                                    |                                                                              |
| product component removable terminal for main circuit          | No                                                                           |
| product component removable terminal for auxiliary and control | Yes                                                                          |

|                                                                                |                      |
|--------------------------------------------------------------------------------|----------------------|
| circuit                                                                        |                      |
| 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-type terminals |

#### Mechanical Design

|                           |          |
|---------------------------|----------|
| height                    | 85 mm    |
| width                     | 36 mm    |
| depth                     | 64 mm    |
| fastening method          | DIN rail |
| net weight                | 150 g    |
| material of the enclosure | PC       |

#### Environmental conditions

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

#### Certificates

|                            |   |
|----------------------------|---|
| reference code             |   |
| • according to EN 61346-2  | F |
| • according to IEC 81346-2 | F |

#### Approvals Certificates

| General Product Approval | Declaration of Conformity | other |
|--------------------------|---------------------------|-------|
|--------------------------|---------------------------|-------|

[Confirmation](#)



EG-Konf.

[Miscellaneous](#)

[Confirmation](#)

| other | Environment |
|-------|-------------|
|-------|-------------|

[Miscellaneous](#)

[Environmental Con-  
firmations](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=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, ...)

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

CAX-Online-Generator

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

Tender specifications

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