



|   |     |
|---|-----|
| voltage-dependent overcurrent-time protection (ANSI 51V)  | Yes |
| power factor (ANSI 55)  | Yes |
| overvoltage protection (ANSI 59)  | Yes |
| overvoltage protection zero-sequence system (ANSI 59N)  | Yes |
| directional overcurrent-time protection, phases (ANSI 67)   | Yes |
| directional ground fault protection (ANSI 67N)  | Yes |
| directional sensitive ground-fault detection for resonant-grounded systems and isolated systems (ANSI 67Ns) | Yes |
| trip-circuit supervision (ANSI 74TC)  | Yes |
| automatic reclosing (ANSI 79)   | Yes |
| frequency protection (ANSI 81)  | Yes |
| frequency variation protection (ANSI 81R)   | Yes |
| vector step protection  | Yes |
| closing lock-out (ANSI 86)  | Yes |
| ground fault differential protection (ANSI 87N)   | Yes |
| fault locator (ANSI FL)   | Yes |
| inrush current detection  | Yes |
| external trip initiation  | Yes |

#### Supply voltage

|   |               |
|---|---------------|
| supply voltage / at AC                  | 100 ... 230 V |
| supply voltage / at DC                  | 24 ... 250 V  |
| type of voltage / of the supply voltage | AC/DC         |

#### Inputs / Outputs

|   |   |
|---|---|
| number of digital inputs / maximum                            | 9 |
| number of digital outputs / incl. signaling contact / maximum | 8 |
| number of voltage inputs / maximum                            | 4 |
| number of current inputs / maximum                            | 4 |

#### Communication

|  |     |
|--|-----|
| product component / operating interface (on the front) | Yes |
| protocol / is supported / Modbus TCP                   | Yes |
| protocol / is supported / IEC 60870-5-103              | Yes |
| protocol / is supported / IEC 61850-8-1                | Yes |
| protocol / is supported / Modbus RTU slave             | Yes |
| protocol / is supported / DNP 3, serial                | Yes |
| protocol / is supported / DNP 3.0 TCP as server        | Yes |
| protocol / is supported / PRP                          | Yes |
| protocol / is supported / RSTP                         | Yes |
| protocol / is supported / HSR                          | Yes |

#### Time synchronization

|                              |                             |
|------------------------------|-----------------------------|
| type of time synchronization | Data comms or Digital input |
|------------------------------|-----------------------------|

#### Mechanical Design

|  |          |
|--|----------|
| width  | 153 mm   |
| height   | 177 mm   |
| depth  | 217.5 mm |
| frame size of enclosure                              | S6       |
| product function / hardware configuration expandable | No       |

#### Environmental conditions

|  |                |
|--|----------------|
| ambient temperature / during operation | -10 ... +55 °C |
|--|----------------|

#### Further information

**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- and Downloadcenter (catalogues, leaflets,...)**

<https://www.siemens.com/energy-automation>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7SR5111-1AF21-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7SR5111-1AF21-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7SR5111-1AF21-1AA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SR5111-1AF21-1AA0)

**Tender specifications**

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

