

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
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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
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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=7SR5111-1AF21-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7SR5111-1AF21-0AA0>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SR5111-1AF21-0AA0

Tender specifications

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

