



Figure similar

7SR105 enclosure, inputs/outputs and device front: S4 enclosure, 4 cur. trans., 6 BI/BO, 10 LEDs; Measuring inputs: 1/5 A, 50 Hz; Auxiliary voltage: 24 V to 60 V DC, Threshold binary input 19 V DC; Standard version without cover; Communication: USB interface front. RS485 interface at the back; without thermobox Control of circuit breaker; Protection function package: Standard functions (included in all versions) Painted modules

Product details	
product feature / conformal coating	Yes
number of function keys	7
number of LEDs	10
Product Functions	
type of measured value detection / of operational measured value / standard	Yes
type of measured value detection / expanded / min./max. values, mean values	No
switching statistics	Yes
circuit breaker monitoring	Yes
product feature / logic editor	Yes
control	Yes
fault recording for analog and digital signals	Yes
sequence-of-events recorder	Yes
monitoring	Yes
number of parameter sets	2
parameter set switchover	Yes
Protection Functions	
three-pole tripping	Yes
undercurrent protection (ANSI 37)	No
unbalance protection (ANSI 46)	Yes
overcurrent-time protection negative sequence system (ANSI 46)	Yes
thermal overload protection (ANSI 49)	Yes
definite overcurrent-time protection (ANSI 50/50N)	Yes
sensitive ground current protection (ANSI 50Ns)	No
circuit breaker failure protection (ANSI 50BF)	Yes
dependent overcurrent-time protection (ANSI 51/51N)	Yes
dynamic response value changeover (ANSI 51C)	No
trip-circuit supervision (ANSI 74TC)	Yes
automatic reclosing (ANSI 79)	No
closing lock-out (ANSI 86)	Yes
inrush current detection	No
external trip initiation	Yes
Supply voltage	
supply voltage / at DC	24 ... 60 V
type of voltage / of the supply voltage	DC
Inputs / Outputs	
number of digital inputs / maximum	6

number of digital outputs / incl. signaling contact / maximum	6
number of current inputs / maximum	4
<b>Communication</b>	
product component / operating interface (on the front)	Yes
protocol / is supported / IEC 60870-5-103	Yes
protocol / is supported / Modbus RTU slave	Yes
protocol / is supported / DNP 3, serial	Yes
<b>Time synchronization</b>	
type of time synchronization	BI/Communication Channel
<b>Mechanical Design</b>	
width	105 mm
height	185 mm
depth	186 mm
frame size of enclosure	E4 (4U High )
design of the display	20 Character x 4 line Backlit LCD
product feature / plug-in terminal blocks	Yes
<b>Environmental conditions</b>	
ambient temperature / during operation	-10 ... +60 °C
<b>Further information</b>	

**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,...)**

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7SR1053-2JA21-2EB0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7SR1053-2JA21-2EB0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7SR1053-2JA21-2EB0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SR1053-2JA21-2EB0)

**Tender specifications**

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

**Power Academy - Your training and consulting partner in the area of power transmission and distribution**

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

