



Figure similar

7SX800 universal protection device; BI: 14; BO: 11 (10F, 1 life); I: 4 (4x protection); U: 4 (standard); housing: 1/6 x 19"; 8 LEDs; 9 operating keys; Ethernet: electrical; serial interface; operation panel: integrated; display type: color display; front design: US; auxiliary voltage: 24 V - 250 V DC, 100 V - 230 V AC, modules: PS050 + IO060

Product details	
number of function keys	9
number of LEDs	8
Product Functions	
type of measured value detection / of operational measured value / standard	Yes
type of measured value detection / expanded / min./max. values, mean values	Yes
switching statistics	Yes
circuit breaker monitoring	Yes
product feature / logic editor	Yes
control	Yes
fault recording for analog and digital signals	Yes
monitoring	Yes
number of parameter sets	8
parameter set switchover	Yes
circuit breaker test	Yes
Protection Functions	
three-pole tripping	Yes
with blocked rotor (ANSI 14)	Yes
undercurrent protection (ANSI 37)	Yes
temperature monitoring (ANSI 38)	Yes
bearing temperature monitoring (ANSI 38)	Yes
unbalance protection (ANSI 46)	Yes
overcurrent-time protection negative sequence system (ANSI 46)	Yes
phase-rotation supervision (ANSI 47)	Yes
thermal overload protection (ANSI 49)	Yes
definite overcurrent-time protection (ANSI 50/50N)	Yes
Switch On To Fault (ANSI SOTF)	Yes
sensitive ground current protection (ANSI 50Ns)	No
intermittent ground-fault protection	Yes
circuit breaker failure protection (ANSI 50BF)	Yes
circuit breaker backfire monitoring (ANSI 50RS)	Yes
dependent overcurrent-time protection (ANSI 51/51N)	Yes
dynamic response value changeover (ANSI 51C)	Yes
current unbalance protection for capacitor banks 1-phase (ANSI 60C)	Yes
trip-circuit supervision (ANSI 74TC)	Yes



<b>communication / serial protocols</b>	one-time 20 function points for serial communication package
• IEC 60870-5-103	Yes
• DNP3	Yes
• Modbus RTU	Yes
<b>power quality assessment function / voltage unbalance</b>	20 function points
<b>power quality assessment function / Total Demand Distortion (TDD)</b>	10 function points
<b>power quality assessment function / 10/12 cycle values for continuous recorder</b>	25 function points
<b>power quality assessment function / trend values for trend recorder</b>	25 function points
<b>power quality assessment function / flicker values for trend recorder</b>	25 function points
<b>voltage supply deviation / requirement / voltage-based function package</b>	30 function points
<b>Supply voltage</b>	
supply voltage / at AC	110 ... 230 V
supply voltage / at DC	24 ... 250 V
type of voltage / of the supply voltage	AC/DC
<b>Inputs / Outputs</b>	
number of digital inputs / maximum	14
number of digital outputs / incl. signaling contact / maximum	11
number of voltage inputs / maximum	4
number of current inputs / maximum	4
product component / with RTD unit connection	Yes
<b>Time synchronization</b>	
type of time synchronization	SNTP, protocol
<b>Mechanical Design</b>	
width	74 mm
height	266 mm
depth	229 mm
product feature / plug-in terminal blocks	Yes
<b>Environmental conditions</b>	
ambient temperature / during operation / maximum	55 °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).

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7SX8000-3BA51-1BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7SX8000-3BA51-1BA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7SX8000-3BA51-1BA0](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7SX8000-3BA51-1BA0)

**Tender specifications**

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