

SEL-351S

Protection System

Standard with Ethernet, IEEE C37.118 Synchrophasor Measurement, DNP3 Outstation, Modbus[®] TCP/RTU, Telnet, FTP, Web Server, SNMP, Operator Controls and LCD, 8 Outputs⁽¹⁾, 6 Inputs, Conventional Terminal Blocks, ACSELERATOR QuickSet[®] SEL-5030 Software⁽²⁾

Part Number:

0 3 5 1 S X

Firmware

Basic ⁽³⁾							5								
Standard (includes MIRRORING BITS [®] and Load Profile)							6								
Standard plus Power Elements, Voltage Sag/Swell/Interruption*							7								

Chassis and Mounting

3U Horizontal Rack Mount								H							
3U Horizontal Panel Mount								3							
3U Vertical Panel Mount								4							
3U Horizontal Projection Panel Mount*								5							
3U Horizontal Rack Mount and Conformally Coated Circuit Boards*								C							
3U Horizontal Panel Mount and Conformally Coated Circuit Boards*								7							
3U Vertical Panel Mount and Conformally Coated Circuit Boards*								8							
3U Horizontal Projection Panel Mount and Conformally Coated Circuit Boards*								9							

User Interface

Standard Interface including USB								A							
Standard Interface including USB plus Configurable Labels ⁽⁴⁾ *								B							
Standard Interface including USB plus Indoor SafeLock Trip/Close Pushbuttons ⁽⁵⁾ *								C							
Standard Interface including USB plus Indoor SafeLock Trip/Close Pushbuttons and Configurable Labels ⁽⁴⁾⁽⁵⁾ *								D							
Standard Interface including USB plus Outdoor SafeLock Trip/Close Pushbuttons and Configurable Labels ⁽⁴⁾⁽⁵⁾ *								E							

Power Supply

24/48 Vdc								2							
48/125 Vdc or 120 Vac								3							
125/250 Vdc or 120/230 Vac								4							

Communications Interface

(1)100Base-FX MM LC, EIA-485*									D						
(2) 10/100BASE-T, EIA-485									E						
(2)100Base-FX MM LC, EIA-485*									F						
(1)10/100Base-T, (1) 100Base-FX MM LC, (1) Fiber-Optic MM ST Serial Port*									H						
(2)10/100Base-T, (1) Fiber-Optic MM ST Serial Port*									J						
(2)100Base-FX MM LC, (1) Fiber-Optic MM ST Serial Port*									K						

Secondary Input Current

1 A Phase, 1 A Neutral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
5 A Phase, 5 A Neutral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
5 A Phase, 1 A Neutral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
1 Amp Phase, 0.05 Amp Neutral (nondirectional Sensitive Earth Fault [SEF] protection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8
5 Amp Phase, 0.05 Amp Neutral (nondirectional Sensitive Earth Fault [SEF] protection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9
1 Amp Phase, 0.2 Amp Neutral (directional protection for various systems, described below) ^{(6)*}	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A
5 Amp Phase, 0.2 Amp Neutral (directional protection for various systems, described below) ^{(6)*}	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B

Control Input Voltage

24 Vdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
48 Vdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
110 Vdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
125 Vdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
220 Vdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
250 Vdc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6

I/O Board

No Additional I/O ⁽¹⁾	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
Additional 12 Standard Outputs, 8 Inputs*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Additional 4 Std Outputs, 16 Inputs*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
Additional 12 High I/C Outputs, 8 Inputs*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6

Communications Protocols

Standard Protocols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Standard Plus IEC 61850*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2

Accessories

USB connection cable (USB Standard A to B Plug)*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C 6 6 4
Literature											
Printed Instruction Manual ⁽⁷⁾	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	P M 3 5 1 S - 0 2

*Additional Cost

⁽¹⁾ OUT101 and OUT102 are configured as Hybrid High-Current Interrupting output contacts.

⁽²⁾ Download ACCELERATOR QuickSet SEL-5030 software for free at <https://www.selinc.com/software/solutions>. ACCELERATOR QuickSet on CD (503001WX4) is available upon request.

⁽³⁾ The Basic SEL-351S does not include MIRRORING BITS or Load Profile. SEL provides enhanced functions in the Standard SEL-351S at no additional charge.

⁽⁴⁾ This ordering option provides a means to customize SEL-351S front-panel Target LED and Operate Control labels. For model numbers specifying "Configurable Labels", a configuration kit is provided (packaged in the relay box).

⁽⁵⁾ The breaker position indicating LEDs of the Indoor SafeLock Trip/Close Pushbutton option have a white diffusing material over the LED which creates a wide viewing angle. The breaker position indicating LEDs of the Outdoor SafeLock Trip/Close Pushbutton option have a high-intensity LED and translucent diffusing material for improved visibility in direct sun light.

⁽⁶⁾ Directional protection for ungrounded, high-impedance grounded, Peterson Coil grounded, and low-impedance (directional SEF) grounded systems; nondirectional SEF protection also provided.

⁽⁷⁾ The SEL-351S comes standard with a CD manual. One complimentary printed instruction manual is available upon request with each product purchased.

Note: Accepts single-phase voltage up to 300V line-neutral or three-phase voltages up to 300V line-neutral, wye or delta connection configurable via global setting.

Making Electric Power Safer, More Reliable, and More Economical®

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