

# SEL-751A and SEL-751 Comparison

[selinc.com/products/comparisons/sel-751-sel-751a](http://selinc.com/products/comparisons/sel-751-sel-751a)

■ Standard feature + Model option

Features	SEL-751A	SEL-751
<b>Display/Front Panel</b>		
5" Color Touchscreen Display, 800 × 480 Resolution		+
4 Front-Panel Pushbuttons With Tricolor LEDs, Customizable		■
8 Front-Panel Pushbuttons With Tricolor LEDs, Customizable		+
<b>CT/PT Inputs</b>		
Low-Energy Analog (LEA) Voltage Inputs		+
<b>Applications</b>		
Undervoltage Load Shedding	+	■
<b>Protection Elements</b>		
27I Inverse Time Undervoltage		+
49R Resistance Temperature Detector		+
49T IEC Line/Cable Thermal Overload		■
50INC Incipient Cable Fault Detection		■
51G Residual Time-Overcurrent With Directional Control		+
51N Neutral Time-Overcurrent With Directional Control		+
51P Max. Phase Time-Overcurrent With Directional Control		+
51Q Negative-Sequence Time-Overcurrent With Directional Control		+
59I Inverse Time Overvoltage		+
67G Residual Overcurrent With Directional Control		+
67N Neutral Overcurrent With Directional Control		+
67P Max. Phase Overcurrent With Directional Control		+
67Q Negative-Sequence Overcurrent With Directional Control		+
78VS Vector Shift		+
81 Over-/Underfrequency	+	■
FLOC Fault Locator		+
HBL Second- and Fifth-Harmonic Blocking		■
HIF AST Arc Sense Technology (AST) High-Impedance Fault Detection		+
Load-Encroachment Supervision		■

Common features are not listed in this comparison. For more information, visit the product pages.

# SEL-751A and SEL-751 Comparison, Continued

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Features	SEL-751A	SEL-751
<b>Instrumentation and Control</b>		
Arc-Flash Detection inputs	4	4 or 8
Data Acquisition	16 samples/cycle	32 samples/cycle
Event Report	15 or 64 cycles	15, 64, or 180 cycles
Web Server		+
Firmware Download Via the Ethernet port		+
14 Digital Inputs Card Support		+
Incoming GOOSE Messages Support	16	64
Synchronized Phasor Measurement	Up to 10 messages/second	60 messages/second at 60 Hz
Fault Locator		+
Bay Control		+
<b>Communications Protocols</b>		
IEC 61850 Edition 2		+
IEC 60870-5-103		+
Parallel Redundancy Protocol (PRP)		+
IEEE 1588 Firmware-Based Precision Time Protocol (PTP)		■
EtherNet/IP		+
HTTP		+

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