

SEL-551/SEL-551C, SEL-851, and SEL-751 Comparison

selinc.com/products/comparisons/551-851-comparison

■ Standard feature + Model option *f* May be created using settings

| Features | SEL-551 SEL-551C | SEL-851 | SEL-751 |
|---|---------------------|---------|---------|
| Display/Front Panel | | | |
| Color Touchscreen | | | + |
| Graphical LCD Display | | ■ | |
| Local/Remote Control | ■ | ■ | ■ |
| Trip/Close Breaker Control | | ■ | ■ |
| 8 Programable LEDs | | ■ | + |
| USB-C Communications Port | | ■ | |
| CT/PT Inputs | | | |
| 1 A/5 A Software-Selectable Current Inputs | | ■ | |
| Voltage Inputs | | + | + |
| Applications | | | |
| Breaker Failure Protection | <i>f</i> | ■ | ■ |
| Underfrequency Load Shedding | | + | ■ |
| Undervoltage Load Shedding | | + | ■ |
| Loss-of-Potential Logic | | + | ■ |
| Protection Elements | | | |
| 50AF/50NAF Arc-Flash Detection Instantaneous Overcurrent | | + | + |
| 27/59 Over-/Undervoltage | | + | + |
| 32 Directional Power | | + | + |
| 50 (P,N,G,Q) Overcurrent (Phase, Neutral, Ground, Neg. Seq.) | ■ | ■ | ■ |
| 51 (P,N,G,Q) Time-Overcurrent (Phase, Neutral, Ground, Neg. Seq.) | ■ | ■ | ■ |
| 55 Power Factor | | + | + |
| 60 Loss-of-Potential | | + | + |
| 67 Directional Overcurrent | | | + |
| 81O/81U Over-/Underfrequency | | + | + |
| 81R Rate-of-Change of Frequency | | | + |
| Second-Harmonic Blocking | | ■ | ■ |
| Instrumentation and Control | | | |
| Arc-Flash Detection Inputs | | + | + |
| Load/Signal Profile Recorder | | ■ | ■ |
| Software-Invertible Polarities | | ■ | |
| Built-In Web Server | | ■ | + |
| Harmonic Metering | | ■ | |
| RMS Metering | | ■ | ■ |
| Synchrophasors | | | ■ |

SEL-551/SEL-551C, SEL-851, and SEL-751 Comparison, Continued

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| Features | SEL-551 SEL-551C | SEL-851 | SEL-751 |
|---|--|--------------------------------|--|
| Instrumentation and Control, Continued | | | |
| Configuration Software | ACSELERATOR QuickSet SEL-5030 Software | SEL Grid Configurator Software | ACSELERATOR QuickSet SEL-5030 Software |
| Programmable Digital Inputs (24–250 Vdc/Vac) | | + | |
| Low-Energy Analog (LEA) Inputs | | | + |
| Universal Power Supply (24–250 Vdc/110–240 Vac) | | ■ | |
| Communications Ports and Protocols | | | |
| USB-C Port (Front) | | ■ | |
| Settings-Selectable EIA-232/EIA-485 Port (Rear) | | ■ | + |
| Single 10/100BASE-T Ethernet Port (Rear) | | ■ | + |
| Dual 10/100BASE-T Ethernet Port (Rear) | | + | + |
| Modbus RTU and Modbus TCP/IP | | ■ | + |
| IEC 61850 Edition 2.1 | | | + |
| IEC 61850 Edition 2 | | + | |
| DNP3 Level 2 (Serial and LAN/WAN) | | + | + |
| Simple Network Time Protocol (SNTP) | | ■ | + |

This table lists key features but is not comprehensive. For detailed information on each relay, visit the product pages.