

Applications	SEL-400G	SEL-700G	SEL-700GT	SEL-700GW	SEL-300G	SEL-700BT	SEL-710-5	SEL-849
Generator Protection	■	■	+		■	■		
Induction Motor Protection							■	■
Synchronous Motor Protection							+	
Motor Bus Transfer Protection						■		
Feeder Protection				■				■
Breaker Failure Protection	■	■	■		<i>f</i>	■	■	■
Equipment Thermal Monitoring	■	■	+	+	+	■	+	■
Generator Intertie Protection			■					
Synchronism Check	■	+	■		+	■		
Integrated Synchronizer	+	+	+			■		
<b>Instrumentation and Control</b>								
Breaker Wear Monitor	■	■	■	■	■	■	■	
Demand Meter	■	■	■	■	■	■	■	■
Load Profile Report	■	■	■	■		■	■	■
RTD Inputs	■	+	+	+	+	+	+	
Ethernet	+	+	+	+		+	+	■
IEC 61850 Edition 2	+	+	+	+		+	+	+
IEC 60870-5-103		+	+	+		+	+	
Parallel Redundancy Protocol (PRP)	+	+	+	+		+	+	■
DNP3 Serial	■	+	+	+		+	+	+
DNP3 LAN/WAN	+	+	+	+		+	+	+
Simple Network Time Protocol (SNTP)	+	+	+	+		+	+	■
Built-In Web Server	+	+	+	+		■	+	■
IEEE 1588 Precision Time Protocol (PTP)	+	+	+	+		+	+	
EtherNet/IP		+	+	+		+	+	+
Modbus TCP	+	+	+	+		+	+	+
Modbus RTU Outstation		■	■	■	+	■	■	■
Synchrophasors With IEEE C37.118 Protocol	■	■	■	■				
MIRRORED BITS® Communications	■	■	■	■		■	■	

Protection	SEL-400G	SEL-700G	SEL-700GT	SEL-700GW	SEL-300G	SEL-700BT	SEL-710-5	SEL-849
21P Phase Mho or Compensator Distance	■	+			■			
24 Overexcitation (Volts/Hertz)	■	■	+		■			
27/59 Under-/Overvoltage	■	■	■		■	■	■	+
27I/59I Inverse-Time Under-/Overvoltage	■	■	■			■	■	
32 Directional Power	■	■	■		■			+
37 Underpower							■	+
40 Loss of Field	■	■	+		■			
46 Current Unbalance	■	■	+		■	■	■	■
47 Phase Reversal							■	■
49 Thermal	■	■	+				■	■
49R Thermal Overload (Resistance Temperature Detector [RTD])	■	■	■	■	■	■	+	
50 (P,N,Q) Overcurrent (Phase, Neutral, Negative Sequence)	■	■	■	■	■	■	■	■
50Q Negative-Sequence Overcurrent		■	■	■	■	■	■	■
51 (N,G) Time Overcurrent (Neutral, Ground)	■	■	■	■	■	■	■	■
51 (P,Q) Time Overcurrent (Phase, Negative Sequence)	■		■	■		■	■	■
55 Power Factor		<i>f</i>	<i>f</i>		<i>f</i>		■	+
60 Loss of Potential	■	■	■		■	■	■	+
64G 100 Percent Stator Ground	■	+			■			
64F Field Ground	■	■	+		■			
67 (N,G) Directional Overcurrent (Neutral, Ground)	■	■	■			■		
78 Out of Step	■	+			■		■	
81 Over-/Underfrequency	■	■	■		■	■	■	+
87 Current Differential	■	+			+		+	
REF Restricted Earth Fault	■	■	+					
Arc-Flash Detection							+	■
Separate Neutral Overcurrent	■	■	■		■	■	■	■
Broken Rotor Bar Detection							■	

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