Transmission and Subtransmission Features

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■ Standard feature + Model option

ƒ This function may be created using settings

Features	SEL-T401L	SEL-411L	SEL-421	SEL-9L	SEL-311C	SEL-311L	SEL-387L	SEL-T400L	SEL-787L
Applications									
Distance Protection	■	■	■	+	■	■		■	
Line Current Differential	■	■				■	■		■
Breaker Failure Protection		■	■	+	■				■
Undervoltage Load Shedding				■					+
Series-Compensated Lines	■	+	+					■	
Protection									
Subcycle Distance Elements	■	+	+	+	+			■	
21G Mho Ground Distance	■	■	■	+	■	■			
21G Quad Ground Distance	■	■	■	+	■	■			
21P Mho Phase Distance	■	■	■	+	■	■			
21P Quad Phase Distance	■	■	■	+					
TD21 Incremental-Quantity Distance (Phase and Ground)	■							■	
TD32 Incremental-Quantity Directional	■							■	
TW32 Traveling-Wave Directional	■							■	
TW87 Traveling-Wave Differential	■							■	
87L Line Current Differential		■				■	■		■
25 Synchronism Check		■	■	+	■	■			+
27/59 Under-/Overvoltage	■	■	■	■	■	■			+
49 Thermal		■	■						■
50 (N,G) Overcurrent (Neutral, Ground)	■	■	■	■	■	■			■
50P Phase Overcurrent	■	■	■	■	■	■			■
50Q Negative-Sequence Overcurrent	■	■	■	■	■	■			■
51 (N,G) Time-Overcurrent (Neutral, Ground)	■	■	■	■	■	■			■
51P Phase Time-Overcurrent	■	■	■	■	■	■			■
51Q Negative-Sequence Time-Overcurrent	■	■	■	■	■	■			■
67 (N,G) Directional Overcurrent (Neutral, Ground)	■	■	■	■	■	■			+
67P Phase Directional Overcurrent	■	■	■	■	■	■			+
67Q Negative-Sequence Directional Overcurrent	■	■	■	■	■	■			+
81 Under-/Overfrequency		■	■	■	■	■			■
Programmable Analog Math		■	■	■					■
Out-of-Step Block and Trip	■	■	■	+	■	■			
Load-Encroachment Supervision	■	■	■	■	■	■			
Switch-Onto-Fault	■	■	■	■	■	■			
Single-Pole Trip	■	+	■	+	+	+		■	
Zone/Level Timers	■	■	■	■	■	■			
Pilot Protection Logic	■	■	■	+	■	■		■	

Transmission and Subtransmission Features, Continued

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■ Standard feature + Model option

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Features	SEL-T401L	SEL-411L	SEL-421	SEL-9L	SEL-311C	SEL-311L	SEL-387L	SEL-T400L	SEL-787L
Instrumentation and Control									
79 Automatic Reclosing		■	■	+	■	■	■		■
Number of Controlled Breakers	2	2	2	2	1	1	1	2	+
Fault Locating	■	■	■	■	■	■		■	■
Single-Ended Traveling-Wave Fault Locating	■							■	
Double-Ended Traveling-Wave Fault Locating	■	+						■	
Adaptive Autoreclose Cancel Logic for Hybrid Lines	■							■	
Line Monitor	■							■	
SELogic Control Equations	■	■	■	■	■	■			■
Nonvolatile Latch Control Switches	■	■	■	■	■	■			■
SELogic Remote Control Switches	■	■	■	■	■	■			■
SELogic Local Control Switches	■	■	■	■	■	■			■
Display Points	■	■	■		+	■			■
Mirrored Bits Communications	■	■	■	■	■	■		■	■
Substation Battery Monitor		■	■	■	■	■	■		+
Breaker Wear Monitor		■	■		■	■			■
Trip Coil Monitor	*ƒ*	*ƒ*	*ƒ*	■	*ƒ*	*ƒ*			■
Event Records (Multicycle Data)	■	■	■	■	■	■	■	■	■
1 MHz Sampling Event Records	■							■	
Sequential Events Recorder	■	■	■	■	■	■	■	■	■
Instantaneous Metering	■	■	■	■	■	■	■	■	■
DNP3 Level 2 Outstation	■	■	■	■	■	+	+	■	+
Parallel Redundancy Protocol (PRP)		■	■	■	+				+
IEEE 1588 Precision Time Protocol Version 2 (PTPv2)		+	+						■
IEC 61850-9-2 Sampled Values Technology		+	+						
Time-Domain Link (TiDL™) Technology		+	+						+
IEC 61850 Communications		+	+	+	+	+			+
Synchrophasors		■	■		■	■			■
Built-in Event Playback Testing	■							■	
SEL Fast Time-Domain Values	■							■	
Miscellaneous Features									
Connectorized (Quick Disconnect) Available		+	+	■	+		+		
Configurable Labels		■	■	■					■
Custom Labels	■							■	