

# SEL-787 Family Comparison

[selinc.com/products/comparisons/787-compare](http://selinc.com/products/comparisons/787-compare)

■ Standard feature \* Optional Feature

Features		SEL-787-2X	SEL-787-2I	SEL-787-2E	SEL-787-3E	SEL-787-3S	SEL-787-4X
Windings Protected		2	2	2	3	3	4
<b>CT/PT Inputs</b>							
Phase Voltage Inputs		0	0	3	3	3	0
Differential Current Inputs		6	6	6	9	9	12
Neutral Current		0	1	1	1	0	0
VS/VBAT Channel		0	0	0	0	1	0
<b>Differential and Restricted Earth Fault (REF) Elements</b>							
Differential Protection Windings (Standard)		2	2	2	3	3	4
REF Elements (Standard)		0	1	1	1	0	0
Differential Protection Windings (Winding 3 Configured for REF)					2	2	3
REF Elements (Winding 3 Configured for REF)					2	2	2
<b>Protection Elements</b>							
24	Volts/Hertz			■	■	■	
25	Synchronism Check					■	
27I	Inverse-Time Undervoltage (Phase, Phase-to-Phase, Sequential, Vsync)			■	■	■	
27P	Undervoltage (Phase) With Inverse Characteristic			■	■	■	
27PP	Phase-to-Phase Undervoltage			■	■	■	
27S	VS Channel Undervoltage					■	
32	Directional Power			■	■	■	
49RTD	Resistance Temperature Detectors (RTDs)			■	■	■	
50N	Neutral Overcurrent		■	■	■		
50 (P,G,Q)	Overcurrent (Phase, Ground, Neg. Seq.)	■	■	■	■	■	■
51 (P,G,Q)	Time Overcurrent (Phase, Ground, Neg. Seq.)	■	■	■	■	■	■
51N	Neutral Time Overcurrent		■	■	■		
51PC	Combined Winding Phase Time Overcurrent				■	■	■
51GC	Combined Winding Ground Time Overcurrent				■	■	■
59 (P,G,Q)	Overvoltage (Phase, Ground, Neg. Seq.)			■	■	■	
59	Overvoltage (Synchronism or Battery Voltage)					■	
59I	Inverse-Time Overvoltage (Phase, Phase-to-Phase, Sequential, Vsync)			■	■	■	
59S	VS Channel Overvoltage					■	
59Q	Negative-Sequence Overvoltage			■	■	■	
81 (O,U)	Over-/Underfrequency			■	■	■	
87	Phase Differential	■	■	■	■	■	■

# SEL-787 Family Comparison, Continued

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■ Standard feature \* Optional Feature

Features		SEL-787-2X	SEL-787-21	SEL-787-2E	SEL-787-3E	SEL-787-3S	SEL-787-4X
<b>Additional Functions</b>							
85RIO	SEL MIRRORRED BITS Communications	■	■	■	■	■	■
BF	Breaker Failure	■	■	■	■	■	■
BW	Breaker Wear Monitoring	■	■	■	■	■	■
DFR	Event Reports	■	■	■	■	■	■
ENV	SEL-2600 RTD Module Support*	■	■	■	■	■	■
LDP	Load Data Profiling	■	■	■	■	■	■
LGC	SELLogic Control Equations	■	■	■	■	■	■
LOP	Loss of Potential			■	■	■	
MET	High-Accuracy Metering	■	■	■	■	■	■
RTD	10 Internal or 12 External (See ENV) RTD Inputs*	■	■	■	■	■	■
REF	Restricted Earth Fault		■	■	■	■	■
RTU	Remote Terminal Unit	■	■	■	■	■	■
SER	Sequential Events Recorder	■	■	■	■	■	■
TFE	Through-Fault Event Monitor	■	■	■	■	■	■
PMU	Synchronized Phasor Measurement	■	■	■	■	■	■