

Bus Protection Features

selinc.com/products/comparisons/bus-protection

■ Standard feature + Model option

f This function may be created using settings ‡ 1/2/3 Relay Application

Features	SEL-387	SEL-487B	SEL-487E	SEL-587	SEL-787Z
Applications					
Breaker Failure Protection	<i>f</i>	■	■	<i>f</i>	■
Bus Differential	<i>f</i>	■	■	■	■
Transformer and Machine Current Differential	■		■		
High-Impedance Bus Differential				■	■
Low-Impedance Bus Differential	■	■	■		
Three-Phase Current Inputs	4	7/10/21 ‡	5	Common	1
Three-Phase Voltage Inputs		1	2		
Protection					
27/59 Under-/Overvoltage		■	■		■
46 Current Unbalance		<i>f</i>	■		
47 Voltage Unbalance			<i>f</i>		
50 (N,G) Overcurrent (Neutral, Ground)	■	<i>f</i>	■	■	■
50P Phase Overcurrent	■	■	■	■	■
50Q Negative-Sequence Overcurrent	■		■	■	■
51 (N,G) Time-Overcurrent (Neutral, Ground)	■	<i>f</i>	■	■	■
51P Phase Time-Overcurrent	■	■	■	■	■
51Q Negative-Sequence Time-Overcurrent	■		■	■	■
87 Current Differential	■	■	■		
87Z High-Impedance Differential				■	■
Single-Pole Trip/Close		■			
Three-Phase Differential Bus Zones	1	2/3/6 ‡	1	1	1
Check Zones		3			
Instrumentation and Control					
79 Automatic Reclosing			<i>f</i>		
Dynamic Zone Selection		■			
SELogic Control Equations	■	■	■	■	■
Nonvolatile Latch Control Switches	■	■	■		■
SELogic Remote/Local Control Switches	■	■	■	■	■
Display Points	■	■	■	■	■
Multiple Settings Groups	■	■	■		■
Substation Battery Monitor	■	■	■		
Breaker Wear Monitor	■		■		
Event Report (Multicycle Data)	■	■	■	■	■
Sequential Events Recorder	■	■	■	■	■
Instantaneous Meter	■	■	■	■	■

Bus Protection Features, Continued

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Instrumentation and Control, Continued					
Demand Meter	■		■	■	■
Through-Fault Monitor	■		■		
IEEE C37.118 Synchrophasors			■		
Synchrophasor Real-Time Control			■		
IEC 61850		+	+		+
Built-In Web Server		■	■		+
Simple Network Time Protocol (SNTP)		■	■		+
Rapid Spanning Tree Protocol (RSTP)					+
MIRRORED BITS Communications		■	■		■
Parallel Redundancy Protocol (PRP)		■	■		+
IEEE 1588 Precision Time Protocol Version 2 (PTPv2)		+	+		+
Time-Domain Link (TIDL™) Technology		+	+		
Miscellaneous Features					
Connectorized (Quick Disconnect) Available	+	+	+		