

SEL-710 and SEL-710-5 Comparison

selinc.com/products/comparisons/710-5-comparison

■ Standard feature + Model option

Features	SEL-710	SEL-710-5
Display/Front Panel		
5" Color Touchscreen Display, 800 × 480 Resolution		+
8 Front-Panel Pushbuttons With Tricolor LEDs, Customizable		■
Protection Elements		
27/59 Undervoltage/Overvoltage	+	■
27I/59I Inverse Time Undervoltage/Overvoltage		■
37P Underpower	+	■
40 Loss of Field		■
50N AF Arc-Flash Neutral Overcurrent		+
50P AF Arc-Flash Phase Overcurrent		+
55 Power Factor	+	■
60 Loss of Potential	+	■
78 Out of Step		■
87M Differential Overcurrent	+	+
Instrumentation and Control		
DFR Event Reports	15, 64 cycles	15, 64, 180 cycles
AFD Arc-Flash Detector		+
BBD Broken Rotor Bar Detection		■
Data Acquisition	16 samples/cycle (12 bit A/D)	32 samples/cycle (16 bit A/D)
Frequency Tracking Range	20–70 Hz	10–70 Hz
MMR Motor Maintenance Report		■
50INC Incipient Fault Detection		■
SDTM Slip-Dependent AccuTrack Thermal Model		■
SM Synchronous Motor Protection and Control		+
VAR Reactive Power	+	■
VFD Motor Protection		■
Vibration Monitoring		+
97FM Frequency Component Analyzer		■
WEB Web Server		+
Firmware Download Via Ethernet Port		+
14 Digital Inputs Card Support		+
Incoming IEC 61850 GOOSE Messages Support	16	64
Motor Start Reports	Stores latest 5 reports, up to 60 seconds each	Stores latest 30 reports, up to 240 seconds each

Common features are not listed in this comparison. For more information, visit the product pages.

SEL-710 and SEL-710-5 Comparison, Continued

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Features	SEL-710	SEL-710-5
Communications Protocols		
DNP3 Serial		+
DNP3 LAN/WAN		+
IEC 61850 Edition 2		+
IEC 60870-5-103		+
Parallel Redundancy Protocol (PRP)		+
IEEE 1588 Firmware-Based Precision Time Protocol (PTP)		+
EtherNet/IP		+
Other Options		
SEL-4520 Arc-Flash Test Module		+
SEL-C804 Fiber-Optic Cable		+

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