

SEL-710-5 Motor Protection Relay

Standard Features

- **Protection**
 - Thermal Elements
 - Overcurrent
 - Over/Under Frequency
 - Over/Under Voltage
 - Breaker Monitoring
 - Breaker Failure
 - Broken Bar Detection
- **Hardware**
 - 3-Phase AC Current Inputs
 - Slot Z
 - Neutral AC Current Input
 - Slot Z
 - 3-Phase AC Voltage Inputs
 - Slot Z
 - 2 Digital Inputs (DI)
 - Slot A
 - 3 Digital Outputs (DO)
 - Slot A
 - Multimode Fiber ST (Port 2)
 - Slot B
- **Human Machine Interface (HMI)**
 - Display
 - Programmable Pushbuttons with Two Tri-Color LEDs each
 - 8 Target Tri-Color LEDs (6 Programmable)
 - Operator Control Interface
 - User Configurable Labels
 - EIA-232 Port (Port F)
 - Multi-language support
- **Protocols**
 - Modbus® RTU
 - SEL ASCII and Compressed ASCII
 - SEL Fast Meter, Fast Operate, Fast SER
 - SEL Fast Message
 - Ymodem File Transfer
 - SEL MIRRORRED BITS Communications
- **Other**
 - Instruction Manual CD
 - ACSELERATOR QuickSet SEL-5030 Software

Part Number:

0	7	1	0	5	0														
---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Advanced Firmware Features

None

					0														
--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--

User Interface

English						E															
Spanish						S															

Slot A Power Supply Voltage | Slot A Digital Input Voltage

110–250 Vdc (110–240 Vac) 125 Vdc/Vac						1	A														
110–250 Vdc (110–240 Vac) 24 Vdc/Vac						1	B														
110–250 Vdc (110–240 Vac) 48 Vdc/Vac						1	C														
110–250 Vdc (110–240 Vac) 110 Vdc/Vac						1	D														
110–250 Vdc (110–240 Vac) 220 Vdc/Vac						1	G														
110–250 Vdc (110–240 Vac) 250 Vdc/Vac						1	H														
24–48 Vdc 125 Vdc/Vac						2	A														
24–48 Vdc 24 Vdc/Vac						2	B														
24–48 Vdc 48 Vdc/Vac						2	C														
24–48 Vdc 110 Vdc/Vac						2	D														
24–48 Vdc 220 Vdc/Vac						2	G														
24–48 Vdc 250 Vdc/Vac						2	H														

Front Panel | Slot B IRIG-B/PTC Option

o PTC option only available on Slot B Processor boards with No Ethernet or Single 10/100BASE-T Ethernet options

2x16 LCD with 8 Pushbuttons IRIG-B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
2x16 LCD with 8 Pushbuttons PTC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
5" Color Touchscreen with 8 Pushbuttons IRIG-B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A
5" Color Touchscreen with 8 Pushbuttons PTC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B

Ethernet (Port 1) | Rear Serial Port (Port 3)

o EIA-485 available only with No Ethernet or Single 10/100BASE-T Ethernet options in slot B

None EIA-232	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
None EIA-485	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Single 10/100BASE-T EIA-232	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Single 10/100BASE-T EIA-485	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
Single 100BASE-FX MM LC EIA-232	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
Dual 10/100BASE-T EIA-232	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
Dual 100BASE-FX MM LC EIA-232	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8

IEC 61850 Protocol | DNP3 Protocol | IEC 60870-5-103 Protocol

o IEC 61850 available only for models with Ethernet options in Slot B

None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
IEC 61850 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
DNP3 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
IEC 61850 Protocol DNP3 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3
IEC 60870-5-103 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
IEC 61850 Protocol IEC 60870-5-103 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
DNP3 Protocol IEC 60870-5-103 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
IEC 61850 Protocol DNP3 Protocol IEC 60870-5-103 Protocol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7

Slot C | Slot C Digital Input Voltage

o Only one (1) 3 DI / 4 DO / 1 AO card per chassis

o Only one (1) 4 AI / 4 AO card per chassis

Empty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	X
Serial Communications (EIA-232/485)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0
3 DI / 4 DO / 1 AO (4-20 mA Range) 125 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	A
3 DI / 4 DO / 1 AO (4-20 mA Range) 24 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	B
3 DI / 4 DO / 1 AO (4-20 mA Range) 48 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	C
3 DI / 4 DO / 1 AO (4-20 mA Range) 110 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	D
3 DI / 4 DO / 1 AO (4-20 mA Range) 220 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	G
3 DI / 4 DO / 1 AO (4-20 mA Range) 250 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	H
4 DI / 4 DO Electromechanical 125 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	A
4 DI / 4 DO Electromechanical 24 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	B
4 DI / 4 DO Electromechanical 48 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	C
4 DI / 4 DO Electromechanical 110 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	D
4 DI / 4 DO Electromechanical 220 Vdc/Vac	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	G

4 DI / 4 DO Electromechanical 250 Vdc/Vac																		1	H													
4 DI / 4 DO Fast High Current Hybrid 125 Vdc/Vac																			C	A												
4 DI / 4 DO Fast High Current Hybrid 24 Vdc/Vac																			C	B												
4 DI / 4 DO Fast High Current Hybrid 48 Vdc/Vac																			C	C												
4 DI / 4 DO Fast High Current Hybrid 110 Vdc/Vac																			C	D												
4 DI / 4 DO Fast High Current Hybrid 220 Vdc/Vac																			C	G												
4 DI / 4 DO Fast High Current Hybrid 250 Vdc/Vac																			C	H												
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 125 Vdc/Vac																			D	A												
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 24 Vdc/Vac																			D	B												
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 48 Vdc/Vac																			D	C												
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 110 Vdc/Vac																			D	D												
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 220 Vdc/Vac																			D	G												
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 250 Vdc/Vac																			D	H												
8 DO Electromechanical (Form A)																			2	A												
8 DO Electromechanical (Form B)																			2	B												
8 DO Electromechanical (6 Form A, 2 Form B)																			2	C												
8 DO Electromechanical (2 Form A, 6 Form B)																			2	D												
8 DO Electromechanical (4 Form A, 4 Form B)																			2	G												
8 DI 125 Vdc/Vac																			3	A												
8 DI 24 Vdc/Vac																			3	B												
8 DI 48 Vdc/Vac																			3	C												
8 DI 110 Vdc/Vac																			3	D												
8 DI 220 Vdc/Vac																			3	G												
8 DI 250 Vdc/Vac																			3	H												
14 DI 125 Vdc/Vac																			4	A												
14 DI 24 Vdc/Vac																			4	B												
14 DI 48 Vdc/Vac																			4	C												
14 DI 110 Vdc/Vac																			4	D												
14 DI 220 Vdc/Vac																			4	G												
14 DI 250 Vdc/Vac																			4	H												
8 AI (± 20 mA or ± 10 V Range)																			5	X												
4 AI / 4 AO (± 20 mA or ± 10 V Range)																			6	X												

Slot D | Slot D Digital Input Voltage

- o Only one (1) 3 DI / 4 DO / 1 AO card per chassis
- o Only one (1) 4 AI / 4 AO card per chassis

Empty																			0	X												
3 DI / 4 DO / 1 AO (4-20 mA Range) 125 Vdc/Vac																			B	A												

3 DI / 4 DO / 1 AO (4-20 mA Range) 24 Vdc/Vac		B	B						
3 DI / 4 DO / 1 AO (4-20 mA Range) 48 Vdc/Vac		B	C						
3 DI / 4 DO / 1 AO (4-20 mA Range) 110 Vdc/Vac		B	D						
3 DI / 4 DO / 1 AO (4-20 mA Range) 220 Vdc/Vac		B	G						
3 DI / 4 DO / 1 AO (4-20 mA Range) 250 Vdc/Vac		B	H						
4 DI / 4 DO Electromechanical 125 Vdc/Vac		1	A						
4 DI / 4 DO Electromechanical 24 Vdc/Vac		1	B						
4 DI / 4 DO Electromechanical 48 Vdc/Vac		1	C						
4 DI / 4 DO Electromechanical 110 Vdc/Vac		1	D						
4 DI / 4 DO Electromechanical 220 Vdc/Vac		1	G						
4 DI / 4 DO Electromechanical 250 Vdc/Vac		1	H						
4 DI / 4 DO Fast High Current Hybrid 125 Vdc/Vac		C	A						
4 DI / 4 DO Fast High Current Hybrid 24 Vdc/Vac		C	B						
4 DI / 4 DO Fast High Current Hybrid 48 Vdc/Vac		C	C						
4 DI / 4 DO Fast High Current Hybrid 110 Vdc/Vac		C	D						
4 DI / 4 DO Fast High Current Hybrid 220 Vdc/Vac		C	G						
4 DI / 4 DO Fast High Current Hybrid 250 Vdc/Vac		C	H						
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 125 Vdc/Vac		D	A						
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 24 Vdc/Vac		D	B						
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 48 Vdc/Vac		D	C						
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 110 Vdc/Vac		D	D						
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 220 Vdc/Vac		D	G						
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 250 Vdc/Vac		D	H						
8 DO Electromechanical (Form A)		2	A						
8 DO Electromechanical (Form B)		2	B						
8 DO Electromechanical (6 Form A, 2 Form B)		2	C						
8 DO Electromechanical (2 Form A, 6 Form B)		2	D						
8 DO Electromechanical (4 Form A, 4 Form B)		2	G						
8 DI 125 Vdc/Vac		3	A						
8 DI 24 Vdc/Vac		3	B						
8 DI 48 Vdc/Vac		3	C						
8 DI 110 Vdc/Vac		3	D						
8 DI 220 Vdc/Vac		3	G						
8 DI 250 Vdc/Vac		3	H						
14 DI 125 Vdc/Vac		4	A						

14 DI 24 Vdc/Vac																						4	B											
14 DI 48 Vdc/Vac																							4	C										
14 DI 110 Vdc/Vac																							4	D										
14 DI 220 Vdc/Vac																							4	G										
14 DI 250 Vdc/Vac																							4	H										
8 AI (±20 mA or ±10 V Range)																							5	X										
4 AI / 4 AO (±20 mA or ±10 V Range)																							6	X										
10 RTD Inputs																							9	X										

Slot E | Slot E Digital Input Voltage

o Only one (1) 3 DI / 4 DO / 1 AO card per chassis

o Only one (1) 4 AI / 4 AO card per chassis

Empty																																		0	X											
3 DI / 4 DO / 1 AO (4-20 mA Range) 125 Vdc/Vac																																			B	A										
3 DI / 4 DO / 1 AO (4-20 mA Range) 24 Vdc/Vac																																			B	B										
3 DI / 4 DO / 1 AO (4-20 mA Range) 48 Vdc/Vac																																			B	C										
3 DI / 4 DO / 1 AO (4-20 mA Range) 110 Vdc/Vac																																			B	D										
3 DI / 4 DO / 1 AO (4-20 mA Range) 220 Vdc/Vac																																			B	G										
3 DI / 4 DO / 1 AO (4-20 mA Range) 250 Vdc/Vac																																			B	H										
4 DI / 4 DO Electromechanical 125 Vdc/Vac																																			1	A										
4 DI / 4 DO Electromechanical 24 Vdc/Vac																																			1	B										
4 DI / 4 DO Electromechanical 48 Vdc/Vac																																			1	C										
4 DI / 4 DO Electromechanical 110 Vdc/Vac																																			1	D										
4 DI / 4 DO Electromechanical 220 Vdc/Vac																																			1	G										
4 DI / 4 DO Electromechanical 250 Vdc/Vac																																			1	H										
4 DI / 4 DO Fast High Current Hybrid 125 Vdc/Vac																																			C	A										
4 DI / 4 DO Fast High Current Hybrid 24 Vdc/Vac																																			C	B										
4 DI / 4 DO Fast High Current Hybrid 48 Vdc/Vac																																			C	C										
4 DI / 4 DO Fast High Current Hybrid 110 Vdc/Vac																																			C	D										
4 DI / 4 DO Fast High Current Hybrid 220 Vdc/Vac																																			C	G										
4 DI / 4 DO Fast High Current Hybrid 250 Vdc/Vac																																			C	H										
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 125 Vdc/Vac																																			D	A										
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 24 Vdc/Vac																																			D	B										
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 48 Vdc/Vac																																			D	C										
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 110 Vdc/Vac																																			D	D										
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 220 Vdc/Vac																																			D	G										
4 DI / 3 DO Electromechanical (2 Form C, 1 Form B) 250 Vdc/Vac																																			D	H										

8 DO Electromechanical (Form A)													2	A				
8 DO Electromechanical (Form B)													2	B				
8 DO Electromechanical (6 Form A, 2 Form B)													2	C				
8 DO Electromechanical (2 Form A, 6 Form B)													2	D				
8 DO Electromechanical (4 Form A, 4 Form B)													2	G				
8 DI 125 Vdc/Vac													3	A				
8 DI 24 Vdc/Vac													3	B				
8 DI 48 Vdc/Vac													3	C				
8 DI 110 Vdc/Vac													3	D				
8 DI 220 Vdc/Vac													3	G				
8 DI 250 Vdc/Vac													3	H				
14 DI 125 Vdc/Vac													4	A				
14 DI 24 Vdc/Vac													4	B				
14 DI 48 Vdc/Vac													4	C				
14 DI 110 Vdc/Vac													4	D				
14 DI 220 Vdc/Vac													4	G				
14 DI 250 Vdc/Vac													4	H				
8 AI (±20 mA or ±10 V Range)													5	X				
4 AI / 4 AO (±20 mA or ±10 V Range)													6	X				
4 Arc-Flash Detection Inputs / 3 Motor DIFF AC Current Inputs (1A/5A)													7	4				
3 Synchronous Motor Inputs / 3 Motor DIFF AC Current Inputs (1A/5A)													7	5				
8 Arc-Flash Detection Inputs													7	6				

Slot Z Current and/or Voltage Inputs

1 Amp Phase, 1 Amp Neutral, 3-Phase AC Voltages (300 Vac)													8	1				
1 Amp Phase, 5 Amp Neutral, 3-Phase AC Voltages (300 Vac)													8	2				
1 Amp Phase, 2.5 mA High Sense Neutral, 3-Phase AC Voltages (300 Vac)													8	3				
5 Amp Phase, 5 Amp Neutral, 3-Phase AC Voltages (300 Vac)													8	5				
5 Amp Phase, 1 Amp Neutral, 3-Phase AC Voltages (300 Vac)													8	6				
5 Amp Phase, 2.5 mA High Sense Neutral, 3-Phase AC Voltages (300 Vac)													8	7				

Conformal Coat

None																			0
Conformally Coated Circuit Boards*																			1

Accessories

Literature																			
Printed Instruction Manual	P	M	7	1	0	-	0	2											
Configurable Label Kit (2 sheet kit)*	9	2	6	0	1	3	6												

	Configurable Label Kit (25 sheet kit)*	9 2 6 0 1 3 7
Hardware		
	Synchronous Motor Voltage Divider Module*	9 1 5 9 0 0 2 9 4
SEL Cables		
	SEL-C222 EIA-232 Serial Cable, SEL Relay to DCE Device (25-Pin Female) (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C227A EIA-232 Serial Cable, SEL Relay to DTE Device (25-Pin Female) (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C234 EIA-232 Serial Cable, SEL Relay to DTE Device (9-Pin Female) (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C272 EIA-232 Serial Cable, SEL Relay to SEL Communications Processor (without IRIG-B signal) (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C273 EIA-232 Serial Cable, SEL Relay to SEL Communications Processor (with IRIG-B signal) (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C804 Multimode Fiber-Optic Arc-Flash Detection (AFD) Sensors*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C805 200 μm Multimode Fiber-Optic Cable (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C807 62.5/200μm Multimode Fiber-Optic Cable (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-C808 62.5/125 μm Multimode Fiber-Optic Cable*	Please see Online MOT or contact SEL REP or CSR for ordering information.

	SEL-C814 Arc-Flash Detection (AFD) Fiber Cables and Accessories (configurable length and number of splices) *	Please see Online MOT or contact SEL REP or CSR for ordering information.
	SEL-CA605 CAT 5e, Shielded Twisted Pair(STP) Ethernet Cable (configurable length)*	Please see Online MOT or contact SEL REP or CSR for ordering information.

Additional Information

- Base unit includes slots A, B (EIA-232), Z, HMI, and Front EIA-232 Port.
- The protocols SNMP and Modbus TCP are included in the STANDARD offering with Ethernet option.
- DNP3 LAN/WAN are included with DNP3 and Ethernet options.
- Download ACSELERATOR QuickSet SEL-5030 software for free at <https://www.selinc.com/software/solutions/>. ACSELERATOR QuickSet on CD (503001WX4) is available upon request.
- The SEL-710-5 comes standard with a CD manual. One complimentary printed instruction manual is available upon request with each product purchased.
- A configuration kit is provided for the front panel configurable labels (packaged in the shipping box). For additional kits, order SEL part number 9260136 (2 Sheet Kit) or 9260137 (25 Sheet Kit).
- For additional remote I/O capability, order SEL-2505 Remote I/O Module that is SEL-2812 compatible (ST option only).
- Order external AC powered RTD module SEL-2600A or external DC powered RTD module SEL-2600D using WI-5997 to interface remote external resistive temperature devices (RTD) or use internal RTD inputs option in Slot D.
- The SEL-710-5 option cards are orderable separately for field installation. Use WI-11297 and contact your SEL representative to order option cards.
- For relay wire termination kits, please see Application Note AN2014-08 on the SEL website or contact SEL REP or CSR for ordering information.
- For SEL-710-5 Mounting Accessories including adapter plates, dust protectors, etc go to <https://selinc.com/applications/mountingselector/>.
- ACSELERATOR Bay Screen Builder SEL-5036 software is available with touchscreen models.
- All Digital Outputs are Form-A unless noted otherwise

Making Electric Power Safer, More Reliable, and More Economical®

SEL SCHWEITZER ENGINEERING LABORATORIES, INC.

2350 NE Hopkins Court - Pullman, WA 99163 USA
Phone: +1.509.332.1890 - Fax: +1.509.332.7990