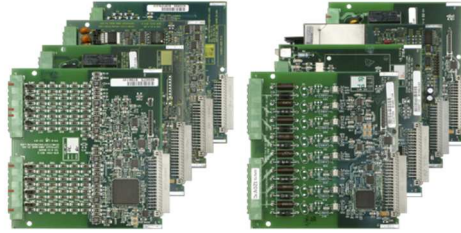


SElect I/O Cards

Part Numbers for the SEL-751



**SCHWEITZER
ENGINEERING
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Ordering Information

Serial Communication Card (SElect EIA-232/485)

	Part Number
Serial Communication	9717LA0 ⁽¹⁾
* Note: Slot C option only.	

3 Digital Input / 4 Digital Output / 1 4–20 mA Analog Output (SElect 3 DI / 4 DO / 1 AO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9727LBA ⁽¹⁾
24 Vdc/Vac DI, Electromechanical DO	9727LBB ⁽¹⁾
48 Vdc/Vac DI, Electromechanical DO	9727LBC ⁽¹⁾
110 Vdc/Vac DI, Electromechanical DO	9727LBD ⁽¹⁾
220 Vdc/Vac DI, Electromechanical DO	9727LBG ⁽¹⁾
250 Vdc/Vac DI, Electromechanical DO	9727LBH ⁽¹⁾
* Note: Only one (1) – 3 DI / 4 DO / 1 AO card per chassis. ** Note: Unless otherwise specified, all digital outputs are Form A. *** Note: Slots C, D or E.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

4 Digital Input / 4 Digital Output (SElect 4 DI / 4 DO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9764L1A ⁽¹⁾
24 Vdc/Vac DI, Electromechanical DO	9764L1B ⁽¹⁾
48 Vdc/Vac DI, Electromechanical DO	9764L1C ⁽¹⁾
110 Vdc/Vac DI, Electromechanical DO	9764L1D ⁽¹⁾
220 Vdc/Vac DI, Electromechanical DO	9764L1G ⁽¹⁾
250 Vdc/Vac DI, Electromechanical DO	9764L1H ⁽¹⁾
125 Vdc/Vac DI, Fast High Current Interrupting DO	9764LCA ⁽¹⁾
24 Vdc/Vac DI, Fast High Current Interrupting DO	9764LCB ⁽¹⁾
48 Vdc/Vac DI, Fast High Current Interrupting DO	9764LCC ⁽¹⁾
110 Vdc/Vac DI, Fast High Current Interrupting DO	9764LCD ⁽¹⁾
220 Vdc/Vac DI, Fast High Current Interrupting DO	9764LCG ⁽¹⁾
250 Vdc/Vac DI, Fast High Current Interrupting DO	9764LCH ⁽¹⁾
* Note: Unless otherwise specified, all digital outputs are Form A. ** Note: Slots C, D or E.	

4 Digital Input / 3 Digital Output (2 Form C and 1 Form B) (SElect 4 DI / 3 DO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9773LCA ⁽¹⁾
24 Vdc/Vac DI, Electromechanical DO	9773LCB ⁽¹⁾
48 Vdc/Vac DI, Electromechanical DO	9773LCC ⁽¹⁾
110 Vdc/Vac DI, Electromechanical DO	9773LCD ⁽¹⁾
220 Vdc/Vac DI, Electromechanical DO	9773LCG ⁽¹⁾
250 Vdc/Vac DI, Electromechanical DO	9773LCH ⁽¹⁾
* Note: Slots C, D or E.	

8 Digital Output (SElect 8 DO)

Output Type	Part Number
8 Form A Electromechanical DO	9745L2A ⁽¹⁾
8 Form B Electromechanical DO	9745L2B ⁽¹⁾
6 Form A and 2 Form B Electromechanical DO	9745L2C ⁽¹⁾
6 Form B and 2 Form A Electromechanical DO	9745L2D ⁽¹⁾
4 Form A and 4 Form B Electromechanical DO	9745L2G ⁽¹⁾
* Note: Slots C, D or E.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

8 Digital Input (SElect 8 DI)

Digital Input Voltage	Part Number
125 Vdc/Vac	9760L3A_(1)
24 Vdc/Vac	9760L3B_(1)
48 Vdc/Vac	9760L3C_(1)
110 Vdc/Vac	9760L3D_(1)
220 Vdc/Vac	9760L3G_(1)
250 Vdc/Vac	9760L3H_(1)
* Note: Slots C, D or E.	

14 Digital Input (SElect 14 DI)

Digital Input Voltage	Part Number
125 Vdc/Vac	9775L4A_(1)**
24 Vdc/Vac	9775L4B_(1)**
48 Vdc/Vac	9775L4C_(1)**
110 Vdc/Vac	9775L4D_(1)**
220 Vdc/Vac	9775L4G_(1)**
250 Vdc/Vac	9775L4H_(1)**
* Note: Slots C, D or E. ** Note: Requires R112 or higher firmware.	

4 Analog Input / 4 Analog Output (SElect 4 AI / 4 AO)

Input Type	Part Number
20 mA or ± 10 V, Jumper Selectable	9763L6X_(1)
* Note: Only one 4 AI / 4 AO card per chassis. ** Note: Slots C, D or E.	

8 Analog Input (SElect 8 AI)

Input Type	Part Number
20 mA or ± 10 V, Jumper Selectable	9762L5X_(1)
* Note: Slots C, D or E.	

10 RTD Input Card (SElect 10 RTD)

Input Type	Part Number
RTD Analog Input	9719L9X_(1)
* Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document. ** Note: Slot D option only.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

Power Supply 125/250 Vdc/Vac (SElect PSIO / 2 DI / 3 DO)

Digital Input Voltage	Part Number
125 Vdc/Vac Digital Input	9765L1A ⁽¹⁾
24 Vdc/Vac Digital Input	9765L1B ⁽¹⁾
48 Vdc/Vac Digital Input	9765L1C ⁽¹⁾
110 Vdc/Vac Digital Input	9765L1D ⁽¹⁾
220 Vdc/Vac Digital Input	9765L1G ⁽¹⁾
250 Vdc/Vac Digital Input	9765L1H ⁽¹⁾
* Note: Slot A option only.	

Power Supply 24/48 Vdc (SElect PSIO / 2 DI / 3 DO)

Digital Input Voltage	Part Number
125 Vdc/Vac Digital Input	9765L2A ⁽¹⁾
24 Vdc/Vac Digital Input	9765L2B ⁽¹⁾
48 Vdc/Vac Digital Input	9765L2C ⁽¹⁾
110 Vdc/Vac Digital Input	9765L2D ⁽¹⁾
220 Vdc/Vac Digital Input	9765L2G ⁽¹⁾
250 Vdc/Vac Digital Input	9765L2H ⁽¹⁾
* Note: Slot A option only.	

Vsync/Vbat Input and 4 Arc-Flash Detection Input (SElect 2 AVI / 4 AFDI)

	Part Number
Vsync (300 Vac), Vbat (300 Vdc) Input and Arc-Flash Detection Input	9746L70 ⁽¹⁾
LEA Vsync (8 Vac), Vbat (300 Vdc) Input and Arc-Flash Detection Input	9775LL0 ⁽¹⁾ ***
* Note: Slot E option only.	
** Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.	
*** Note: Requires R112 or higher firmware.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

8 Arc-Flash Detection Input (SElect 8 AFDI)

	Part Number
8 Arc-Flash Detection Input	9775L77_(1)*
* Note: Slot E option only. ** Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document. *** Note: Requires R112 or higher firmware.	

3-Phase AC Current Input / Neutral AC Current Input / 3-Phase AC Voltage (SElect 4 ACI / 3 AVI)

Phase Current, Neutral Current, Voltage	Part Number
1 Amp Phase , 1 Amp Neutral, 3-Phase AC Voltage (300 Vac)	9747L81_(1)
1 Amp Phase , 5 Amp Neutral, 3-Phase AC Voltage (300 Vac)	9747L82_(1)
1 Amp Phase , 200 mA Neutral, 3-Phase AC Voltage (300 Vac)	9775L83_(1)**
5 Amp Phase , 5 Amp Neutral, 3-Phase AC Voltage (300 Vac)	9747L85_(1)
5 Amp Phase , 1 Amp Neutral, 3-Phase AC Voltage (300 Vac)	9747L86_(1)
5 Amp Phase, 200 mA Neutral, 3-Phase AC Voltage (300 Vac)	9775L87_(1)**
1 Amp Phase , 1 Amp Neutral, 3-Phase LEA AC Voltage (8 Vac)	9775LL1_(1)**
1 Amp Phase , 5 Amp Neutral, 3-Phase LEA AC Voltage (8 Vac)	9775LL2_(1)**
1 Amp Phase , 200 mA Neutral, 3-Phase LEA AC Voltage (8 Vac)	9775LL3_(1)**
5 Amp Phase , 5 Amp Neutral, 3-Phase LEA AC Voltage (8 Vac)	9775LL5_(1)**
5 Amp Phase , 1 Amp Neutral, 3-Phase LEA AC Voltage (8 Vac)	9775LL6_(1)**
5 Amp Phase, 200 mA Neutral, 3-Phase LEA AC Voltage (8 Vac)	9775LL7_(1)**
* Note: Slot Z only. ** Note: Requires R112 or higher firmware.	

3-Phase AC Current Input / Neutral AC Current Input (SElect 4 ACI)

Phase Current, Neutral Current	Part Number
1-Amp Phase, 1-Amp Neutral	9775LA1_(1)**
1-Amp Phase, 5-Amp Neutral	9775LA2_(1)**
1-Amp Phase, 200-mA Neutral	9775LA3_(1)**
5-Amp Phase, 5-Amp Neutral	9775LA5_(1)**
5-Amp Phase, 1-Amp Neutral	9775LA6_(1)**
5-Amp Phase, 200-mA Neutral	9775LA7_(1)**
* Note: Slot Z only. ** Note: Requires R200-V2 or higher firmware.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

Processor Board (SElect CPU / COM)

Input Type	Rear Port Type	Ethernet Type	Protocol Type	Part Number
IRIG-B	EIA-232	None	Standard	9748L000 ⁽¹⁾
IRIG-B	EIA-232	None	Standard, DNP3	9748L002 ⁽¹⁾
IRIG-B	EIA-232	None	Standard, IEC 60870-5-103	9775L004 ^{(1)**}
IRIG-B	EIA-232	None	Standard, DNP3, IEC 60870-5-103	9775L006 ^{(1)**}
IRIG-B	EIA-485	None	Standard	9748L010 ⁽¹⁾
IRIG-B	EIA-485	None	Standard, DNP3	9748L012 ⁽¹⁾
IRIG-B	EIA-485	None	Standard, IEC 60870-5-103	9775L014 ^{(1)**}
IRIG-B	EIA-485	None	Standard, DNP3, IEC 60870-5-103	9775L016 ^{(1)**}
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard	9748L020 ⁽¹⁾
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9748L021 ⁽¹⁾
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3	9748L022 ⁽¹⁾
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9748L023 ⁽¹⁾
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103	9775L024 ^{(1)**}
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103, IEC 61850	9775L025 ^{(1)**}
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103	9775L026 ^{(1)**}
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9775L027 ^{(1)**}
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard	9748L030 ⁽¹⁾
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9748L031 ⁽¹⁾
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3	9748L032 ⁽¹⁾
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9748L033 ⁽¹⁾
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103	9775L034 ^{(1)**}
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103, IEC 61850	9775L035 ^{(1)**}
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103	9775L036 ^{(1)**}
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9775L037 ^{(1)**}
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard	9748L040 ⁽¹⁾
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 61850	9748L041 ⁽¹⁾
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3	9748L042 ⁽¹⁾
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 61850	9748L043 ⁽¹⁾
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103	9775L044 ^{(1)**}
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103, IEC 61850	9775L045 ^{(1)**}
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103	9775L046 ^{(1)**}
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9775L047 ^{(1)**}
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard	9748L060 ⁽¹⁾
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 61850	9748L061 ⁽¹⁾
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3	9748L062 ⁽¹⁾

Processor Board (SElect CPU / COM) Continued

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

Input Type	Rear Port Type	Ethernet Type	Protocol Type	Part Number
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9748L063_(1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 60870-5-103	9775L064_(1)**
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 60870-5-103, IEC 61850	9775L065_(1)**
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103	9775L066_(1)**
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9775L067_(1)**
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard	9748L080_(1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 61850	9748L081_(1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3	9748L082_(1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 61850	9748L083_(1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103	9775L084_(1)**
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103, IEC 61850	9775L085_(1)**
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103	9775L086_(1)**
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9775L087_(1)**
* Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.				
** Note: Requires R112 or higher firmware.				

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SEL-751 Rear Panels

		Card Slot Options		
Slot D Option	Slot E Option	Slot B (Mainboard) Options		Part Number
RTD	Empty or Standard I/O	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L010
RTD	Empty or Standard I/O	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L811
RTD	Empty or Standard I/O	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L803
RTD	Empty or Standard I/O	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L807
RTD	2AVI / 4AFDI	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L300
RTD	2AVI / 4AFDI	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L301
RTD	2AVI / 4AFDI	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L302
RTD	2AVI / 4AFDI	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L303
RTD	8 AFDI	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L213
RTD	8 AFDI	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L214
RTD	8 AFDI	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L215
RTD	8 AFDI	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L216
Empty or Standard I/O	Empty or Standard I/O	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L009
Empty or Standard I/O	Empty or Standard I/O	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L801
Empty or Standard I/O	Empty or Standard I/O	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L809
Empty or Standard I/O	Empty or Standard I/O	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L805
Empty or Standard I/O	2AVI / 4AFDI	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L304
Empty or Standard I/O	2AVI / 4AFDI	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L305
Empty or Standard I/O	2AVI / 4AFDI	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L306
Empty or Standard I/O	2AVI / 4AFDI	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L307
Empty or Standard I/O	8 AFDI	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L229
Empty or Standard I/O	8 AFDI	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L230
Empty or Standard I/O	8 AFDI	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L231
Empty or Standard I/O	8 AFDI	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L232

Reference Ordering Information for other product MOTs:

Work Instruction	Product SElect I/O Cards
WI-5932	SEL-700G, SEL-710, SEL-749M, SEL-751A, SEL-787, SEL-2410, SEL-2411, and SEL-2414
WI-11297	SEL-710-5
WI-12174	SEL-787-3/-4

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.