

SEL-700BT Motor Bus Transfer Relay

Standard Features

- **Protection**
 - 50/51, BF, 67P/Q/G, 49RTD, 78VS, 27/59, 81/81R, 60LOP, 25
- **Hardware**
 - 2 Digital Inputs (DI)
 - Slot A
 - 3 Digital Outputs (DO)
 - Slot A
 - Multimode Fiber ST (Port 2)
 - Slot B
 - IRIG-B Time Code Input
 - Slot B
- **Human Machine Interface (HMI)**
 - 5-Inch Color Touchscreen Display
 - 8 Programmable Pushbuttons With Two Tri-Color LEDs each
 - 8 Target Tri-Color LEDs (6 Programmable)
- Operator Control Interface
- 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
 - Event Messenger
- **Other**
 - ACSELEATOR QuickSet SEL-5030 Software
 - User Configurable Labels

Part Number:

0 7 0 0 B T

User Interface | Front Panel

English 5 in Color Touchscreen With 8 Pushbuttons	A
Spanish 5 in Color Touchscreen With 8 Pushbuttons	B

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

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

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

None EIA-232	0
None EIA-485	1
Single 10/100BASE-T EIA-232*	2

3-Phase Rogowski Coil or Low Power Current Transformer (RJ45 inputs), 3-Phase and Vsync Input LEA Voltage Sensor (RJ45 inputs)(SELECT 3 ACI / 4 AVI)	L 1
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Slot Z Current and Voltage Inputs

3-Phase 1 Amp AC Current Input / 1 Amp Neutral AC Current Input / 3-Phase AC Voltage (300 Vac) Inputs (SELECT 4 ACI / 3 AVI)	8 1
3-Phase 5 Amp AC Current Input / 5 Amp Neutral AC Current Input / 3-Phase AC Voltage (300 Vac) Inputs (SELECT 4 ACI / 3 AVI)	8 5
3-Phase 1 Amp AC Current Input / 5 Amp Neutral AC Current Input / 3-Phase AC Voltage (300 Vac) Inputs (SELECT 4 ACI / 3 AVI)	8 2
3-Phase 5 Amp AC Current Input / 1 Amp Neutral AC Current Input / 3-Phase AC Voltage (300 Vac) Inputs (SELECT 4 ACI / 3 AVI)	8 6
3-Phase / 1-Neutral Rogowski Coil or Low Power Current Transformer (RJ45 inputs), 3-Phase LEA Voltage Sensor (RJ45 inputs)(SELECT 4 ACI / 3 AVI)	L 1

Conformal Coat

None	0
Conformally Coated Circuit Boards*	1

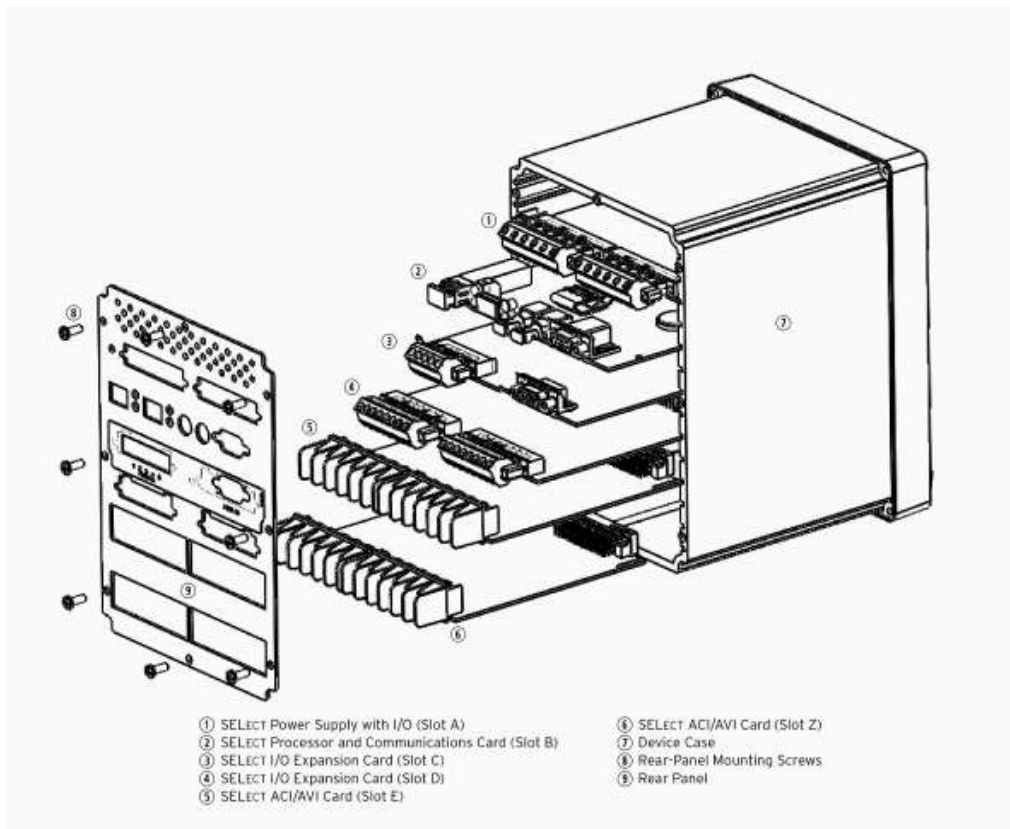
Accessories

Literature		
Printed Instruction Manual	P M 7 0 0 B T - 0 1	
Instruction Manual for SEL-700BT (CD)	P M 7 0 0 B T - 0 1 - C D	
Configurable Label Kit for SEL-710-5, SEL-751, SEL-787-2, -3, -4, SEL-700BT, SEL-787L, SEL-787Z and 8 PB SEL-700G (2 Sheets)*	9 2 6 0 1 3 6	
Configurable Label Kit for SEL-710-5, SEL-751, SEL-787-2, -3, -4, SEL-700BT, SEL-787L, SEL-787Z and 8 PB SEL-700G (25 Sheets)*	9 2 6 0 1 3 7	
SEL Cables		
SEL-C222 Serial Cable for Modem (RS-232, DTE-DCE, DB9 M/DB25 M, Hardware Flow Control)*	Please see Online MOT or contact SEL REP or CSR for ordering information.	
SEL-C227A Serial Cable for PC (RS-232, DTE-DTE, DB9 M/DB25 F, Hardware Flow Control)*	Please see Online MOT or contact SEL REP or CSR for ordering information.	

SEL-C234 Serial Cable (RS-232, DTE-DTE, DB9 M/DB9 F)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C272 Serial Cable (RS-232, DTE-DTE, DB9 M/DB9 M, Hardware Flow Control)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C273 Serial Cable (RS-232, DTE-DTE, DB9 M/DB9 M, IRIG-B)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C805 Fiber-Optic Cable (200 um, Multimode)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C807 Fiber-Optic Cable (62.5/200 um, Multimode)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C808 Fiber-Optic Cable (62.5/125 um, Multimode)*	Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-CA605 Ethernet Cable (RJ45 M/RJ45 M)*	Please see Online MOT or contact SEL REP or CSR for ordering information.

Additional Information

- Base unit includes slots A, B (EIA-232), E, Z, HMI, and Front EIA-232 Port.
- The protocols SNTP, IEEE 1588-2008 firmware-based PTP and Modbus TCP are included in the standard offering with Single Ethernet option.
- The protocols SNTP, IEEE 1588-2008 firmware-based PTP, PRP, Rapid Spanning Tree Protocol (RSTP), and Modbus TCP are included in the standard offering with Dual 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-700BT manual is available at selinc.com. One complimentary instruction manual CD and one printed instruction manual are available upon request.
- 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-700BT option cards are orderable separately for field installation. Use WI-16209 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-700BT 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