SEL-851 Feeder Protection Relay

Standard Features

- **Protection**
  - Overcurrent
  - Breaker Failure
  - Reclosing
  - Second-Harmonic Blocking
- **Hardware**
  - Horizontal Mount
  - Universal Power Supply (24-250 Vdc / 110-240 Vac)
  - Four CT (3-phase and neutral) Universal 1 A / 5 A inputs
  - 5 Digital Outputs (1 Form C, 2 Form A Standard, 2 Form A Hybrid)
  - 4 Internally Wetted (24 Vdc) Digital Inputs
  - USB-C Front Port
  - 10/100BASE-T Ethernet Rear Port (RJ45)
  - EIA-232/EIA-485 Rear Port with IRIG-B (RJ45)
- **Built-in Human Machine Interface (HMI)**
  - Graphical monochrome LCD (4 lines, 21 characters in each line)
  - 5 Function Keys With Text Strings on LCD
  - 10 Tri-Color Target LEDs
  - 4 Control Pushbuttons
  - 6 Navigation Pushbuttons
- **Protocols**
  - Modbus® RTU, Modbus TCP/IP
  - MIRRORED BITS
  - Telnet, FTP
  - HTTP/HTTPS Web Server
  - SNTP
  - SEL ASCII and Compressed ASCII
  - SEL Fast Meter, Fast Operate, Fast SER
  - SEL Fast Message
  - Ymodem File Transfer
- **Other**
  - SEL GRID Configurator Software

Part Number: **0 8 5 1 0 0 _ _ _ _ _ 0 _ _ _**

Mounting

Horizontal Mount	0
Horizontal Mount With Front Cover*	1
Horizontal Panel Mount (With Picture Frame)*	2
Ganged Rack Mount (Left)*	3
Ganged Rack Mount (Right)*	4
19 in Horizontal Rack Mount With Adapter Plate*	5

Voltage Inputs

None	0
3-Phase AC Voltage (300 Vac)*	1

Arc-Flash Inputs

None	0
4 Arc-Flash Inputs(1)*	1

Digital Input Wetting | Voltage

Internal | 24 Vdc	0
External Universal Binary | 24-250 Vdc/Vac *	1

Additional Inputs/Outputs

o Standard includes 4 Digital Inputs, 5 Digital Outputs (1 Form C, 2 Form A Standard, 2 Form A Hybrid)

None	0
6 Additional Inputs*	1

Additional Communications Port

o Standard includes USB-C Front Port, EIA-232/EIA-485 Rear Serial Port, Single 10/100BASE-T Ethernet Port

None	0
Additional 10/100BASE-T*	1

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Additional Communication Protocols

o Standard includes SEL Protocols, Modbus RTU, Modbus TCP, Telnet, FTP, HTTP/HTTPS Web Server, SNTP Protocols

None	0
IEC 61850*	1
DNP3 Protocol*	2
IEC 61850 | DNP3 Protocol*	3

Conformal Coat

None	0
Conformally Coated Circuit Boards*	1

Accessories

Europlug Connector Replacement for SEL-851		9159005570
Panel-Mount Conversion Kit for SEL-851		9159005576
Front-Panel Cover for SEL-851 (IP54)		9159005572
Terminal Block Cover for SEL-851		9159005571
Configurable Label Kit for SEL-851 (1 Sheet)		9260147
Configurable Label Kit for SEL-851 (25 Sheets)		9260148
SEL-CA605 Ethernet Cable (RJ45 M/RJ45 M)*		Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C629A Serial Cable (RS-232, DTE-DTE, RJ45 M/RJ45 M, IRIG-B)*		Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C605A Serial Cable for SEL-3390 S8 (RS-232, DTE-DTE, RJ45 M/DB9 M, IRIG-B, Hardware Flow Control)*		Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C472N Serial Cable (RS-232, DTE-DTE, RJ45-M/DB9-M/IRIG-B, Hardware Flow Control)*		Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C478N Serial Cable for SEL-3390 S8 (RS-232, DTE-DCE, RJ45 M/DB9 F/BNC F, IRIG-B, Pin 1 Power, Hardware Flow Control)*		Please see Online MOT or contact SEL REP or CSR for ordering information.
SEL-C497 USB Cable (USB 2.0 USB-A male to USB-C male)*		Please see Online MOT or contact SEL REP or CSR for ordering information.
Literature		
	Instruction Manual for SEL-851	PM8510-01
	Instruction Manual for SEL-851 (CD Only)	PM8510-01-CD
	Instruction Manual for SEL-851 (No Binder)	PM8510-01-NB

* Additional Cost

1. Download SEL-5037 GRID Configurator software for free at https://www.selinc.com/softwaresolutions/.
2. The SEL-851 manual is available at selinc.com. One complimentary instruction manual CD and one printed instruction manual are available upon request.
3. For additional remote I/O capability, order SEL-2505 Remote I/O Module.
4. For additional cable accessories, refer to the SEL-5801 Cable Selector program.

(1) For Arc-Flash Detection Point Sensors, Clear-Fiber Sensors, or Cable Accessories, see SEL-C804 Multimode Fiber-Optic Arc-Flash Detection (AFD) Sensors and C814 Arc-Flash Detection (AFD) Fiber Cables and Accessories.

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

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