

## SEL-851 Feeder Protection Relay

### Standard Features

- **Protection**
  - Overcurrent
  - Over/Under Frequency
  - Breaker Failure
  - Reclosing
- **Hardware**
  - Rack 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 Soft Keys With Text Strings on LCD
  - 10 Tri-Color Target LEDs
  - 4 Control Pushbuttons
  - 6 Navigation Pushbuttons
- **Protocols**
  - Modbus® RTU
  - 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
  - Configurable Labels Kit

Part Number:

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### Mounting

Horizontal Rack Mount						0														
Horizontal Rack Mount With Front Cover*						1														
Horizontal Panel Mount*						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 <sup>(1)*</sup>						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							

**Additional Communication Protocols**

o Standard includes SEL Protocols, Modbus RTU, Modbus TCP, Telnet, FTP, HTTP/HTTP5 Web Server, SNMP Protocols

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*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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   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

**Conformal Coat**

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
Conformally Coated Circuit Boards*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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

\* Additional Cost

(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.

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