

SEL Product Application Guide

Featuring Smart Grid-Related Products

Generators



Real-Time Synchronphasor Vector Processor (SEL-3378)
SYNCHROWAVE® Server Software (SEL-5077)
SYNCHROWAVE Console Software (SEL-5078)
Synchronphasor Processor (SEL-3306)

Comprehensive Generator Protection (SEL-300G)

RTD Module (SEL-2600)

Field Ground Module (SEL-2664)

Distributed Generation



Basic DG Relay (SEL-547)

Recloser Controls (SEL-651R/SEL-351R)

Transmission Lines



Subcycle Distance Relaying (SEL-421)

Line Differential (Fiber and Digital Channels) (SEL-311L)

Midrange Distance (SEL-311)

Zero Settings Line Differential (SEL-387L)

Central Offices



- Enterprise Metering Software
- Synchrophasor Analysis Software
- SCADA Master
- Updated Settings Management Program
- Graphical Settings Software
- State Measurement Software
- Security Manager's Software

- Enterprise Event Viewing Software
- Synchrophasor Visualization Software
- Settings Software
- Application Design Software
- SEL University

SEL Engineering Services



- Model Power System Testing
- Protection and Automation Design
- Arc-Flash Hazard Services
- POWERMAX® Power Management and Control Systems
- Remedial Action Schemes
- Autosynchronization Systems
- Distribution Automation

Substations

Power Transformers



Five-Winding Transformer Differential With Voltage Protection (SEL-487E)

Four-Winding Transformer Differential (SEL-387)

Three-Winding Transformer Differential With Voltage Protection (SEL-387E)

Two-Winding Transformer Differential (SEL-587)

Two-Winding Transformer Differential With Voltage Protection (SEL-787)

Shunt Capacitor Banks



Complete Capacitor Monitoring and Control (SEL-487V)

Medium Power Transformers



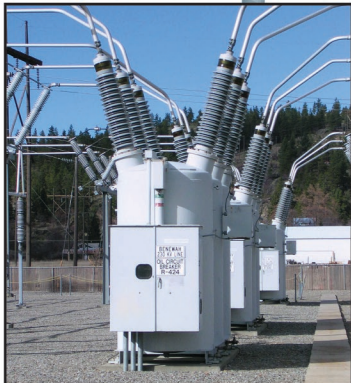
Current Differential Relay (SEL-587)

Current Differential and Overcurrent Relay (SEL-387A)

Transformer Monitor (SEL-2414)

Two-Winding Transformer Differential With Voltage Protection (SEL-787)

Circuit Breakers



POWERCORE™ Substation Control Enclosures



Satellite-Synchronized Clock (SEL-2407®)
Digital Clock (SEL-3401)

Breaker Failure (SEL-352)

Bay Control, Automation, and Protection System (SEL-451-4)

Low-Impedance Bus Differential (SEL-487B)

High-Impedance Differential (SEL-587Z)

High-Function Three-Phase Panel Meter (SEL-734)

Programmable Automation Controller (SEL-2411)

Discrete Programmable Automation Controller (SEL-2440)

Annunciators (SEL-2522 and SEL-2523)

Complete Substation System (SEL-7000)

Rugged Computers

Information Processors

I/O Devices

Fiber-Optic Transceivers

Fiber-Optic Transfer Switch (SEL-2126)

Rugged Ethernet Switches (SEL-2725)

Event Messenger (SEL-3010)

Encrypted Serial Radio (SEL-3031)

Test Blocks and Plugs (SEL-4600)

Data Courier® (SEL-4391)

MIRRORED BITS® Tester (SEL-4388)

Motors



Motor Protection (SEL-701/SEL-749M)

Advanced Motor Protection for Direct Retrofit (SEL-710)

Dual Universal Overcurrent Relay (SEL-501)

Industrial Plants



High-Function Three-Phase Panel Meter (SEL-734)

Programmable Automation Controller (SEL-2411)

Discrete Programmable Automation Controller (SEL-2440)

Feeder Protection Relay With Arc-Flash Detection (SEL-751A)

Fast Bus Transfer (SEL-451)

Rugged Computers

Underground Vaults



Underground AutoRANGER™

RadioRANGER™ Wireless Fault Indication System

Wireless Encrypting Transceiver (SEL-3022)

Voltage Regulators



Voltage Regulator Control (SEL-2431)

Wireless Encrypting Transceiver (SEL-3022)

Satellite-Synchronized Clock (SEL-2401)

Reclosers



Recloser Controls (SEL-651R/SEL-351R)

Encrypted Serial Radio (SEL-3031)

Wireless Encrypting Transceiver (SEL-3022)

Satellite-Synchronized Clock (SEL-2401)

Distribution Feeders



Distribution Protection (SEL-351)

Protection, Automation, and Control System (SEL-451)

Bay Control, Automation, and Protection System (SEL-451-4)

Overcurrent/Reclosing Relay (SEL-551)

Dual Universal Overcurrent Relay (SEL-501)

Feeder Protection Relay With Arc-Flash Detection (SEL-751A)

Overhead AutoRANGER™

LINAM® Current Reset Fault Indicator

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