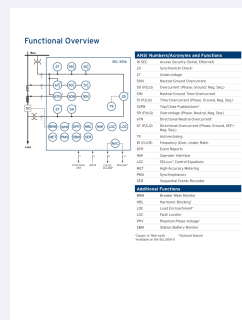


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

SEL-351A

feeder protection relay



PRODUCT	SEL-351A
FAMILY	SEL-351 protection systems
FUNCTION	feeder protection relay
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from SEL documentation. This guide supplements the complete manufacturer manual and site procedure.

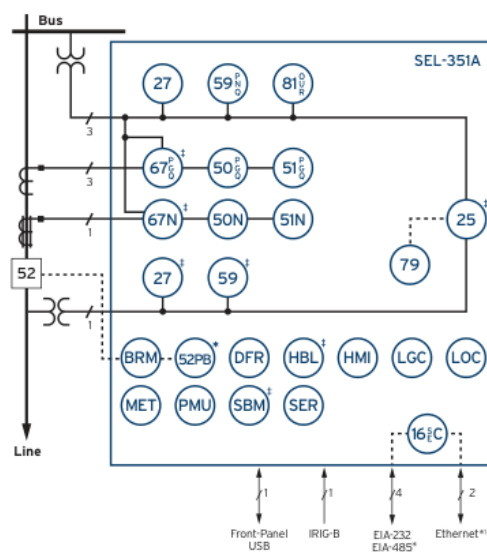
01 CONFIRM THE ORDERED CONFIGURATION

Protocols	Modbus TCP/RTU, DNP3, IEC 61850
Ethernet	10/100BASE-T; optional fiber
Serial Port	Front EIA-232 DB-9
Rear Serial Ports	2 x EIA-232 DB-9
EIA-485	Optional 5-position terminal
Frequency Elements	6

02 PREPARATION AND CONNECTION

- Confirm the complete SEL-351A article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

Functional Overview



ANSI Numbers/Acronyms and Functions

16 SEC	Access Security (Serial, Ethernet)
25	Synchronism Check [†]
27	Undervoltage
50N	Neutral-Ground Overcurrent
50 (P,G,Q)	Overcurrent (Phase, Ground, [†] Neg. Seq.)
51N	Neutral-Ground Time-Overcurrent
51 (P,G,Q)	Time-Overcurrent (Phase, Ground, Neg. Seq.)
52PB	Trip/Close Pushbuttons*
59 (P,N,Q)	Overvoltage (Phase, Neutral, Neg. Seq.)
67N	Directional Neutral Overcurrent [†]
67 (P,G,Q)	Directional Overcurrent (Phase; Ground, SEF;*, Neg. Seq.)
79	Autoreclosing
81 (O,U,R)	Frequency (Over, Under, Rate)
DFR	Event Reports
HMI	Operator Interface
LGC	SELogix® Control Equations
MET	High-Accuracy Metering
PMU	Synchrophasors
SER	Sequential Events Recorder

Additional Functions

BRM	Breaker Wear Monitor
HBL	Harmonic Blocking [†]
LDE	Load Encroachment*
LOC	Fault Locator
PPV	Phantom Phase Voltage*
SBM	Station Battery Monitor

[†]Copper or fiber-optic *Optional feature
*Available on the SEL-351A-0

04

COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05

CONTROLLED DOCUMENT

Official source	Siemens manufacturer product data and technical documentation for SEL-351A
Product record	SEL-351A
Manufacturer	SEL
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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