

Generator applications

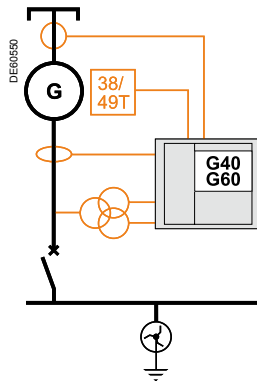
Generator protection

- internal generator fault protection
- network fault protection
- driving machine fault protection
- RTD temperature monitoring (ANSI 38/49T)
- voltage and frequency monitoring.

Protection of a separate generator: Sepam G40 or G60

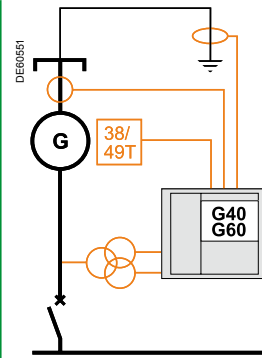
Earth fault protection:

- 50G/51G
- 59N.



Earth fault protection:

- 50G/51G.



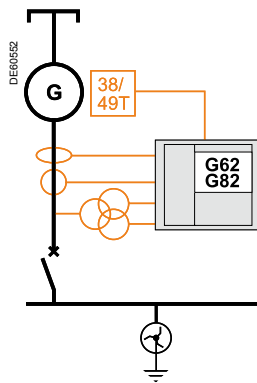
Protection of a generator coupled to other generators or to a network: Sepam G62 or G82

Short-circuit detection on generator side.

Control fault protection.

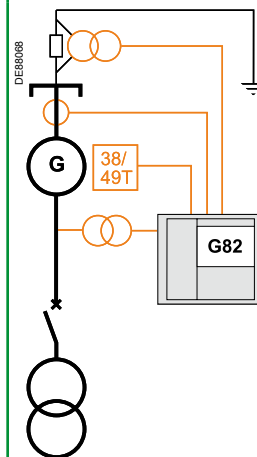
Earth fault protection:

- 50G/51G
- 59N.



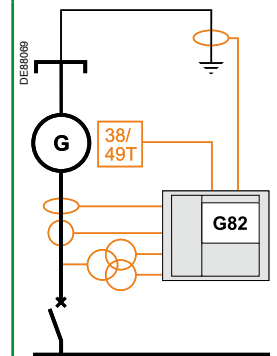
Earth fault protection:

- 100 % stator earth fault 64G.



Earth fault protection:

- 64REF and 50G/51G
- 50N/51N.

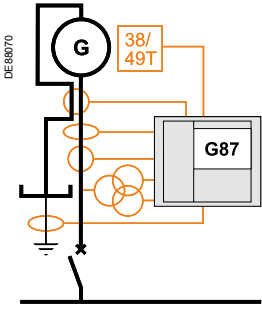


Generator applications

Generator differential protection: Sepam G87

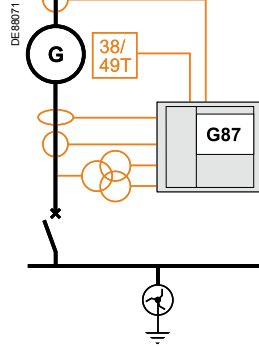
Phase protection by self-balancing differential scheme: 50/51.

Earth fault protection: 50G/51G.

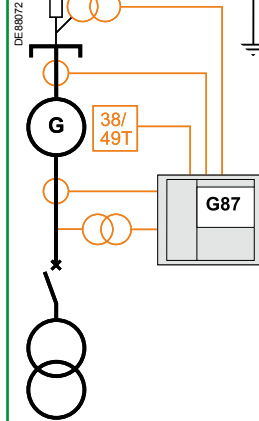


Generator differential protection: 87M.

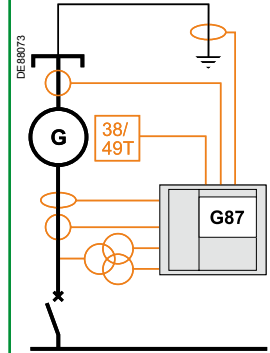
Earth fault protection:
 ■ 50G/51G
 ■ 59N.



Earth fault protection:
 ■ 100 % stator earth fault
 64G.



Earth fault protection:
 ■ 50N/51N.



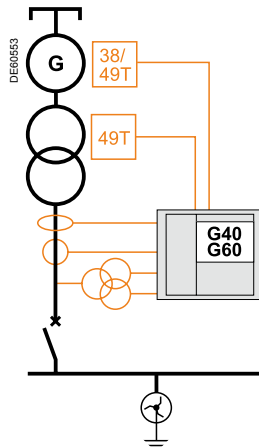
Generator-transformer unit protection

- generator and transformer protection against internal faults
- network fault protection
- driving machine fault protection
- RTD temperature monitoring (ANSI 38/49T)
- voltage and frequency monitoring.

Separate generator-transformer unit protection. Sepam G40 or G60

Earth fault protection:
 ■ 50G/51G.

Note: monitoring of generator insulation must be ensured by another device.



Generator applications

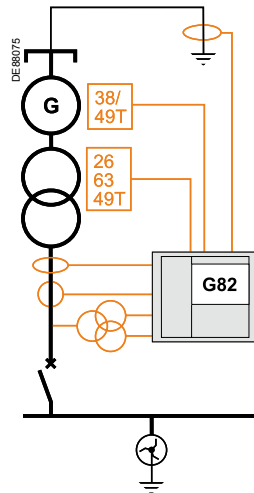
Protection of a generator-transformer unit coupled to other generators or to a network: Sepam G82

Short-circuit detection on generator side: 67.

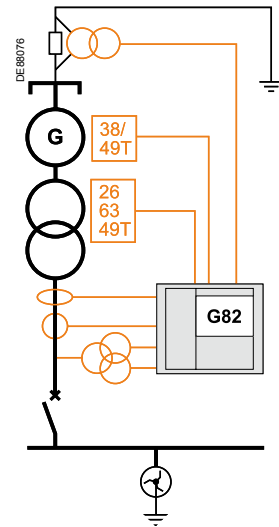
Control fault protection.

Internal transformer protection: Thermostat / Buchholz (ANSI 26/63).

- generator earth fault protection: 50G/51G
- transformer secondary earth fault protection:
 - 50G/51G
 - 59N.



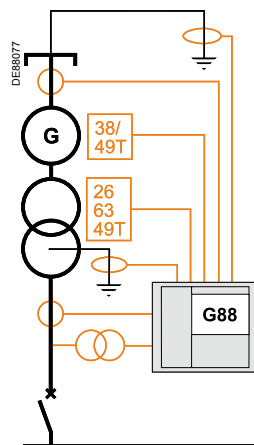
- generator earth fault protection: 100 % stator earth fault 64G
- transformer secondary earth fault protection:
 - 50G/51G
 - 59N.



Generator-transformer unit differential protection: Sepam G88

Generator-transformer unit differential protection: 87T.

- generator earth fault protection: 50G/51G
- transformer secondary earth fault protection:
 - 50G/51G.



- generator earth fault protection: 100% stator earth fault 64G
- transformer secondary earth fault protection:
 - 50G/51G
 - 64REF.

