

RPW-SF - Phase Sequence Function

It is intended to protect three-phase systems against the inversion of the phase sequence (L1-L2-L3).

Installation

It is directly connected to the three phases (terminals L1, L2 and L3) of the power grid to be monitored.

Operation

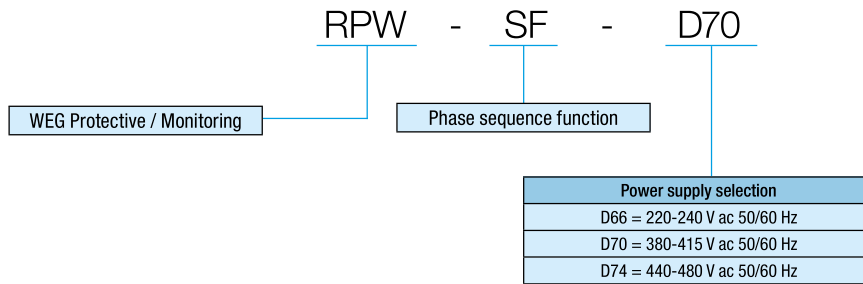
If the phase sequence is correct, the output relay switches the contacts to the operation position (closing terminals 15-18), and the red LED (relay) and green LED (power supply) will switch on.



Certifications



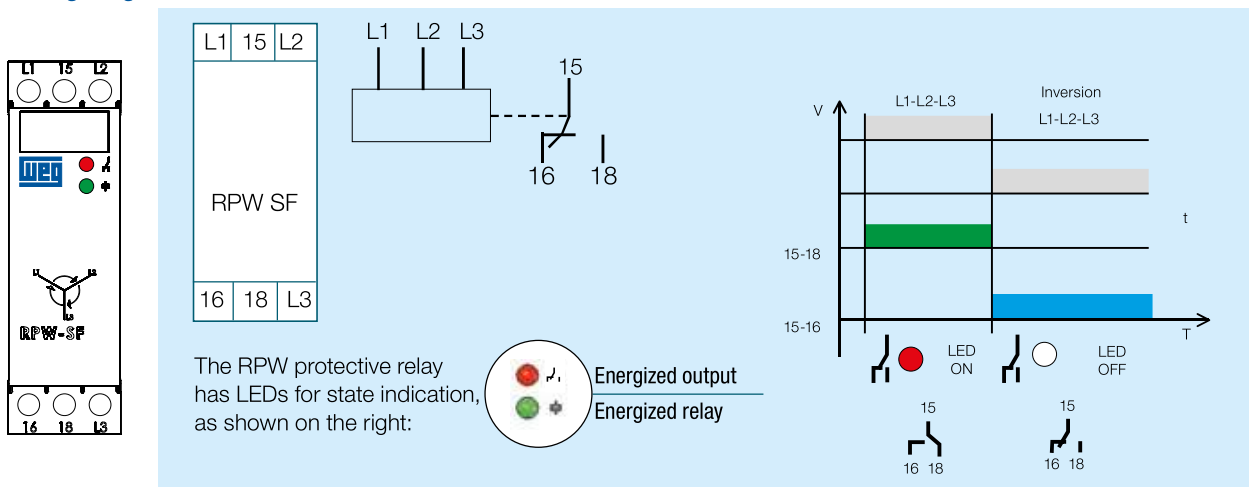
Selection



Specification

Supply voltage (L1-L2-L3) 50/60 Hz	Reference
220-240 V ac	RPW-SF-D66
380-415 V ac	RPW-SF-D70
440-480 V ac	RPW-SF-D74

Wiring Diagram



Note: for application in generator sets, frequency inverters with 12-pulse or regenerative rectifiers, electronic power controllers (dimmers or the like) or where a high level of harmonic currents may be present (above the recommendation of IEEE519), we recommend the ERWM relay.

RPW-FSF - Phase Loss and Phase Sequence Function

It is intended to protect three-phase systems against phase loss and phase inversion. For applications with neutral, a bridge must be provided between terminals A and B. The RPW-FSF will monitor against phase loss and also the voltage on the neutral, which must be connected.

Installation

It is directly connected to the three phases (terminals L1, L2 and L3) of the power grid to be monitored (connect the neutral if applicable).

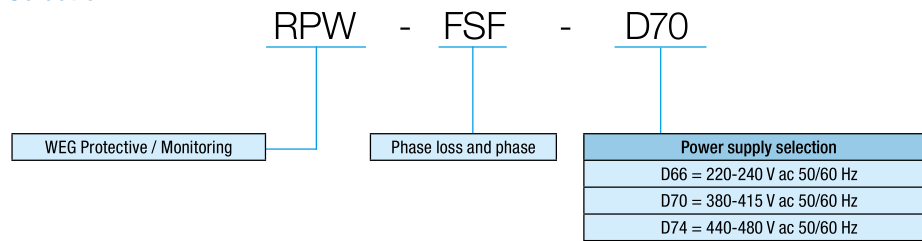
Operation

Energize the relay and observe if the green LED (power supply) and the red LED (relay) turn on. If they do not switch on, check for voltage between phases L1, L2 and L3 (including in relation to the neutral if applicable), and if they are in the correct sequence.

Certifications



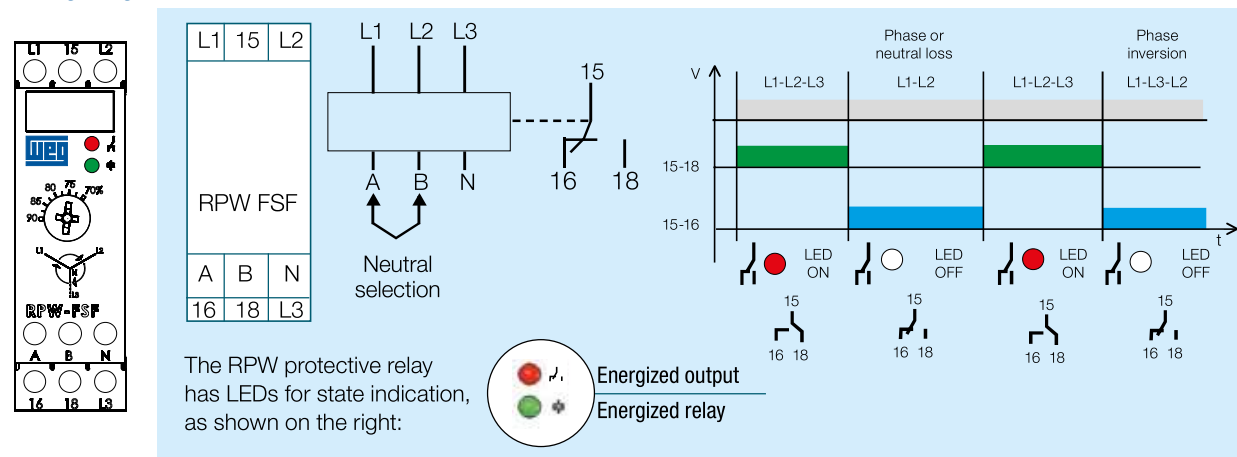
Selection



Specification

Supply voltage (L1-L2-L3) 50/60 Hz	Reference
220-240 V ac	RPW-FSF-D66
380-415 V ac	RPW-FSF-D70
440-480 V ac	RPW-FSF-D74

Wiring Diagram



Note: for application in generator sets, frequency inverters with 12-pulse or regenerative rectifiers, electronic power controllers (dimmers or the like) or where a high level of harmonic currents may be present (above the recommendation of IEEE519), we recommend the ERWM relay.