Loss of excitation relay

Protect generators running in parallel against under-excitation

DEIF's loss of excitation relays protect generators running in parallel with other generators from running as an induction generator due to under-excitation – particularly in cases where applying an under-voltage relay for protection is insufficient.

This can be caused by the system's remaining generators supplying sufficient reactive power to magnetise the faulty generator and maintain the terminal voltage.

The RMQ will thus protect the generator against damages caused by excessive heating due to slip frequency current flow, at the same time preventing transfer of reactive load from a faulty generator.

RMQ features

- Generator under-excitation protection
- ANSI code 40
- Single-phase measurement
- Timer-controlled tripping
- LED indication of fault/activated relay
- 35 mm DIN rail or base mounting

Variants	Features
RMQ-111D	Loss of excitation. -Q>: 0 to 25 %. 1 var 3 (4).
RMQ-121D	Overexcitation. Q>: 25 to 125 %. 1 var 3 (4).

Variant overview

RMQ-111D

RMQ-121D

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