

Product Bulletin #ÁÚPË€€Í

Alert



## **USPACE B, M, F, and S Rig Circuit Breaker Settings**

## lssue

The 2,000 A trip circuit breakers for the diesel generator sets do not have the correct settings to protect the generator and conductors from overloads. The breaker settings are based on the Caterpillar 3512B and 3512C land diesel generator sets with the following ratings:

- Engine: 1,100 bkW / 1,476 bHP / 1,200 RPM
- Generator: Kato 1,050 kW / 1,500 kVA / 1,443 A



*Caution!* The generator rating is less than what is shown on the nameplate. Do not use the nameplate rating.

## Resolution



Adjust the breaker settings only if the breaker is open and no load is connected to either the line, or the load side.

- 1. Open the generator breaker.
- 2. Set the breaker electronic trip unit dip switches as follows (see Figure 1-1 on page 2):
  - a. Rating Plug (Non-Adjustable): In = 2,000 A
  - b. Overload Protection, Trip Threshold (L,I1): 0.7 + 0.025 x In
  - c. Overload Protection, Trip Time (L, t1): 36s (3 x ln)
  - d. Selective Short Circuit Protection, Trip Threshold (S, I2): Off

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- e. Selective Short Circuit Protection, Trip Time (S, t2): 0.1 (set dip switch 4 (I>12) to the down position).
- f. Instantaneous Short Circuit Protection (I, I3): 3 x In
- g. Network Frequency: 60 Hz
- h. Neutral Protection: Off

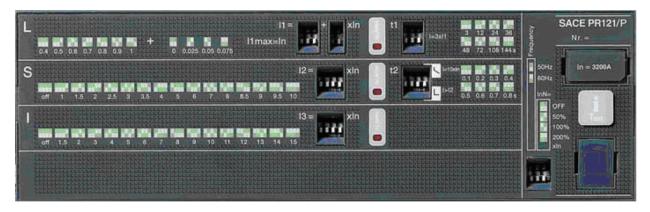


Figure 1-1: PR121/P Breaker Dip Switches.