SIMPLESTATES - DATASHEET

DenySignal [ID: DNY-01]

Denial fact emitter. Read-time only. No enforcement.

DATA PLATE

- Input: operator writes denial facts
- Output: denial signal at read time
- Reads: no side effects
- Execution: read-time only (no enforcement)
- Deps: PostgreSQL

INVARIANTS

- Not denied != permitted
- Denial state != authorization
- Returned state is application-evaluated

NON-GOALS

- Authentication
- Authorization / request blocking
- Firewall / WAF behavior
- Policy definition
- Auditing or alerting

FAILURE MODES

- Missing/delayed deny write -> reads show not present
- Subject/scope mismatch -> wrong signal returned
- Database inconsistency -> stale or incorrect reads
- Network/database failure -> lookup fails

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Self-hosted evidence and fact artifacts.
StateMirror preserves evidence. Companion primitives expose focused facts.
Applications own decisions and outcomes. Verification checks evidence integrity.