Siemens Energy 3AP1 DT 72.5 kV SF6 Dead Tank Circuit Breakers

Unused Surplus | Quantity 3 | In stock, Des Moines, Iowa, USA | Sold as-is, where-is

Executive Summary

Three unused surplus Siemens Energy 3AP1 DT 72.5 kV SF6 dead tank circuit breakers, rated 2,000 A and 40 kA at 60 Hz, with a 325 kV BIL. Outdoor, three-pole, spring mechanism, built to IEC 62271-100 and IEEE C37.09. In stock and available now, which beats new-build OEM lead times. Sold by CTG as the seller of record on an as-is, where-is, with-all-faults basis. The units have never been energized or placed in service. Specifications below were verified against the Siemens factory nameplates and the original Siemens engineering drawings supplied with the units. These units are unused surplus, not factory-new, and are not sold direct from Siemens Energy.

Key Specifications (Per Unit, Verified)

Manufacturer	Siemens Energy
Type designation	3AP1 DT 72.5 kV
Product standards	IEC 62271-100 / IEEE C37.09
Configuration	Outdoor, SF6, dead tank, 3-pole gang-op
Rated voltage (Ur)	72.5 kV
Rated frequency (fr)	60 Hz
Rated normal current (Ir)	2,000 A
Short-circuit breaking current (Isc)	40 kA symmetrical
DC time constant	45 ms
DC component of short-circuit	45 %
First-pole-to-clear factor (kpp)	1.3
Rated duration of short-circuit (tk)	1 s
Lightning impulse withstand, BIL (Up)	325 kV peak
Power-frequency withstand, 1 min (Ud)	140 kV (gnd and open gap)

Rated operating sequence	O - 0.3 s - CO - 15 s - CO
Line-charging breaking current (Il)	10 A
Cable-charging breaking current (Ic)	125 A
Minimum specific creepage	31 mm/kV (phase-to-phase)
Prototype main-circuit resistance	80 micro-ohm
SF6 rated filling pressure (+20 C)	0.60 MPa (6.0 bar / 87.5 psig)
SF6 alarm / signal-loss (+20 C)	0.52 MPa
SF6 general lockout (+20 C)	0.50 MPa
Total SF6 charge per unit	13.7 kg
Operating mechanism	Spring charged (FA-2), 3-pole
Control / motor voltage	125 VDC
Heater voltage	120 VAC
Seismic qualification	AF5 (0.5 g)
Total mass of circuit breaker	1,670 kg per unit

Verified against the Siemens factory nameplates

Unit Identification

Unit	Serial Number	Date of Manufacture
1	97230024	April 2024
2	97230025	April 2024
3	97240007	October 2024

Included / Packaging

Each unit comprises a three-pole dead tank breaker with integral SF6 system and integral low-voltage control cabinet, spring operating mechanism (type FA-2). Original Siemens engineering drawings were supplied with the units. Crate numbers, packaged dimensions, and gross and net shipping weights are to be confirmed.

Notes and Applications

Core 72.5 kV sub-transmission and substation class. Good fit for utility substation builds and storm or spare inventory, renewable and storage collector and interconnection substations, EPC project supply, and industrial, IPP, or data center on-site substations. Availability is the advantage where OEM lead time is a constraint.

Required Pre-Sale Disclosures

These five disclosures apply to every unit and travel with every quote. They are not optional.

1. Acquired through an intermediary. The equipment was acquired in December 2024 from Bodec, a Utah-based EPC intermediary. It was not purchased directly from Siemens Energy.

2. Original purchase contract not available. The original Siemens-to-Bodec purchase contract is not in the seller's possession. Warranty terms cannot be verified and should be assumed absent. No manufacturer warranty is represented or transferred.

3. Storage history during intermediary custody is undocumented. Storage compliance during the Bodec custody period is not documented.

4. Custody-compliance qualification. Earlier storage and custody conditions cannot be fully confirmed. The unused surplus classification reflects this gap, not a defect found on inspection.

5. Recommended inspection. A Storage Health Inspection by Siemens Energy Field Service, or an equivalent qualified third party, is recommended prior to energization. If a clean inspection report is obtained before sale, it will be added to the buyer due diligence package.

Sale basis: Sold as-is, where-is, with all faults. No warranty of any kind is offered or implied. The units are classified as unused surplus, not factory-new. CTG Power Systems International is the seller of record. Verbatim disclosure language is held in the buyer disclosure sheet (CTG File Ref 62-2040) and Schedule B of the sale agreement.

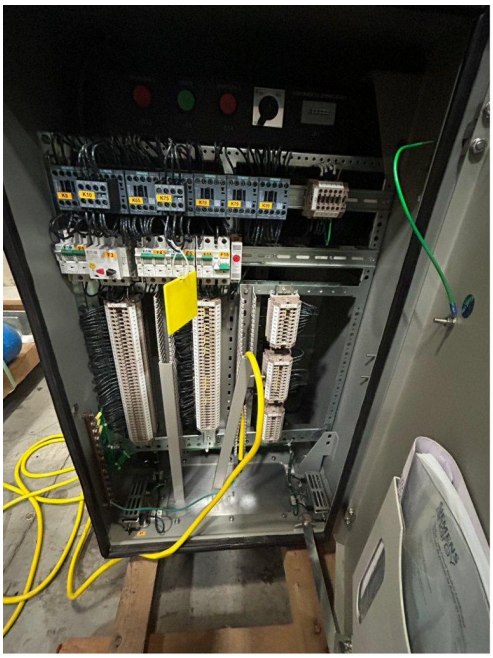
Ready to move on a project? Contact CTG Power Systems for availability, photos, and next steps.

Equipment Photos

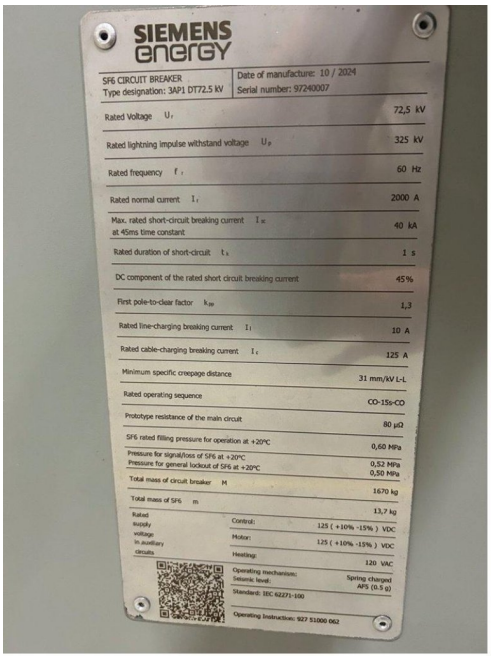
Photos are representative of the three units. A full professional photo set and additional nameplate close-ups are available on request.

Front view: three SF6 bushings and dead tank

Full unit: tank and low-voltage control cabinet



Low-voltage control cabinet, interior



Siemens Energy factory nameplate