3625N

Digital Output Module

PUBLISHED IDENTITY

TRICONEX 3625N is the nuclear-qualified form of the 32-point 24 VDC supervised or non-supervised TMR digital-output module. Its field power is commoned across the output points.

Technical snapshot

Product role	TMR digital output module
Qualified designation	3625N
Standard-model mapping	3625
Nominal voltage	24 VDC
Output points	32
Operating modes	Supervised or non-supervised
Field power	Commoned to all points
Output protection	Self-protected architecture

Verified related ApterPower product pages

TRICONEX 3502E

TRICONEX 3503E

Engineering data

Official evidence organized for exact-model review

Product role	TMR digital output module
Qualified designation	3625N
Standard-model mapping	3625
Nominal voltage	24 VDC
Output points	32
Operating modes	Supervised or non-supervised

Field power	Commoned to all points
Output protection	Self-protected architecture
Qualified panel	9662-610N family
Qualified panel option	9662-810N family
Qualification class	Tricon v10 nuclear 1E equipment table
Acceptance requirement	Validate supervision and every commanded point

EVIDENCE BOUNDARY

Confirm the complete 3625N identity, installed system record and approved companion hardware before replacement or commissioning.

Applications and system role

Four distinct documented operating contexts

INSTALLED TRICON SYSTEMS

Controlled service where the approved system records explicitly identify 3625N.

PLANNED MAINTENANCE

Like-for-like inspection or replacement work that preserves the documented digital output module arrangement.

LIFECYCLE-MANAGED SPARES

Exact-identity spare control for operating installations that retain the TRICONEX 3625N designation.

COMMISSIONING VERIFICATION

Functional checks that confirm the recorded interface, configuration and diagnostics after 3625N is installed.

Integration control

The nuclear equipment table maps 3625N to the standard 3625 design. Manufacturer installation data lists qualified 9662-610N and 9662-810N termination-panel families and notes that field power is commoned to all points on the 3625. Supervision mode, loads, termination hardware and field-power distribution must be verified as one documented circuit.

Verified related ApterPower product pages

TRICONEX 3504E

TRICONEX 3511

Technical questions

Complete model-specific answers from the approved evidence set

What function does TRICONEX 3625N perform?

TRICONEX 3625N performs the documented role of a digital output module within the applicable installed-system architecture.

Which qualified designation is specified for 3625N?

The manufacturer specifies the qualified designation for 3625N as 3625N.

How does the manufacturer define the standard-model mapping of 3625N?

The manufacturer specifies the standard-model mapping for 3625N as 3625.

What nominal voltage applies to the TRICONEX 3625N?

The manufacturer specifies the nominal voltage for 3625N as 24 VDC.

Where does 3625N fit with respect to output points?

The manufacturer specifies the output points for 3625N as 32.

Why must the operating modes be checked on 3625N?

The manufacturer specifies the operating modes for 3625N as Supervised or non-supervised.

When replacing 3625N, which field power must match the record?

The manufacturer specifies the field power for 3625N as Commoned to all points.

What does the manual state about the output protection for 3625N?

The manufacturer specifies the output protection for 3625N as Self-protected architecture.

Product precautions

Eight aligned controls before return to service

1. Record the complete TRICONEX 3625N marking and installed position before work.
2. Place the controller and affected process function in the approved safe maintenance state.
3. Verify the documented system version, companion hardware and interface assigned to 3625N.
4. Isolate the applicable controller and field energy in accordance with the approved procedure.
5. Inspect connectors, keys, cable assemblies and mechanical retention before installation.
6. Install 3625N only in the recorded location without changing the approved architecture.
7. Restore power under control and confirm the specified indicators, communications and diagnostics.
8. Document the final identity, configuration and functional acceptance results before release.

Verified related ApterPower product pages

- TRICONEX 3624
- TRICONEX 3664
- TRICONEX 3703E
- TRICONEX 3704E

Evidence and support

Manufacturer references, related products and direct contact

Manufacturer evidence used

- TRICONEX Planning and Installation Guide for Tricon v9-v11 Systems, document 9720100-012.
- TRICONEX Technical Product Guide, document 9791007-013.
- TRICONEX Field Terminations Guide for Tricon v9-v10 Systems, document 9700052-018.

Verified related ApterPower product pages

TRICONEX 4210

TRICONEX 4329

TRICONEX 4119A

TRICONEX 8312

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