

TRICONEX SAFETY SYSTEM

Product Data Sheet

3008N

Enhanced main processor module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Enhanced main processor module	Triconex safety system	United States	2.12 kg

Triconex 3008N is a Enhanced main processor module for the Triconex safety system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Type	Enhanced main processor module
Order Reference	3008N
System Platform	Triconex safety control system
Primary Function	Executes and votes control application
Channel or Port Capacity	Three synchronized processing channels
Electrical Classification	16 MB application memory
Compatible Hardware	Tricon v10 nuclear chassis
Mounting Arrangement	Main processor position
Connection Interface	Triplicated TriBus backplane
Diagnostic Coverage	Continuous processor-memory-I/O tests

ADDITIONAL PRODUCT DATA

Documented Variant	Nuclear 1E Enhanced MP III
Operating Environment	0 to 60 °C controller service
Storage Environment	–40 to 75 °C equipment storage
Relative Humidity	5 to 95% non-condensing
Commissioning Requirement	Verify every affected safety path

OFFICIAL APPLICATIONS

- Run the qualified Tricon program: Keep the three processing paths synchronized with the approved application image.
- Memory integrity: Review processor and user-memory diagnostics before accepting the replacement channel.
- Controller restart: Restore communications, scan state and representative trip functions under change control.

SYSTEM COMPATIBILITY

Match 3008N to the installed Triconex safety system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Tricon Technical Product Guide

<https://www.se.com/ww/en/work/products/industrial-automation-control/triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

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