

TRICONEX SAFETY SYSTEM

Product Data Sheet

MP 3009

Main processor module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Main processor module	Triconex safety system	United States	1.15 kg

Triconex MP 3009 is a Main processor module for the Triconex safety system. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Module Type	Tricon main processor module
Processor Role	Safety logic execution engine
Controller Architecture	Triple modular redundant processing
Backplane Interface	Triplicated controller communication bus
Program Environment	TriStation 1131 engineering suite
Operating Supply	Chassis-provided logic power
Memory Function	Application and diagnostic storage
Time Synchronization	Controller system clock service
Status Indicators	PASS-FAULT-ACTIVE front display
Diagnostic Access	RJ-12 Diagread service connector

ADDITIONAL PRODUCT DATA

Operating Mode	RUN-PROGRAM-STOP-REMOTE control
Online Diagnostics	Continuous processor self-tests
Fault Handling	Single-channel fault tolerance
Installation Slot	Dedicated main chassis MP position
Replacement Control	Match project and firmware revision

OFFICIAL APPLICATIONS

- Safety control: Configured shutdown and process-protection logic
- Field integration: Documented input, output or communication circuits
- Lifecycle service: Diagnostics and controlled replacement testing

SYSTEM COMPATIBILITY

Match MP 3009 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

[Trident Planning Installation Guide](#)

<https://www.se.com/ww/en/product-range/63717-triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM