

TRICONEX SAFETY SYSTEM

# Product Data Sheet

## MP 3101

Trident main processor module

| FUNCTION                      | FAMILY                 | ORIGIN        | WEIGHT  |
|-------------------------------|------------------------|---------------|---------|
| Trident main processor module | Triconex safety system | United States | 1.48 kg |

Triconex MP 3101 is a Trident 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

|                         |                                          |
|-------------------------|------------------------------------------|
| 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

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|                     |                                     |
|---------------------|-------------------------------------|
| 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

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- Safety control: Configured process-protection function
- Field integration: Documented signal and termination circuits
- Lifecycle service: Controlled replacement and diagnostics

## SYSTEM COMPATIBILITY

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Match MP 3101 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

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[Trident Planning Installation Guide](#)

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

AMIKON PRODUCT SUPPORT

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