# Honeywell MC-TAOX12 51304335-125

Analog Output FTA / Exact identity and technical profile

This reference isolates the exact published characteristics and engineering boundary of Honeywell MC-TAOX12 without borrowing values from a neighboring model.

| | |
|---|---|
| **Supplied market identifier** | MC-TAOX12 |
| **Official Honeywell model** | MU-TAOX12 |
| **Exact part number** | 51304335-125 |
| **Function** | Analog output FTA |
| **Signal family** | 4-20 mA |
| **Channels** | 8 |

**TECHNICAL MARKER**

Official model MU-TAOX12

**TECHNICAL MARKER**

8 analog-output channels

**TECHNICAL MARKER**

4-20 mA service

**TECHNICAL MARKER**

Coated B-size FTA

## Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

| | |
|---|---|
| **Identity evidence** | Read MC-TAOX12 51304335-125 from the installed label and procurement record |
| **Function evidence** | Confirm the published analog output fta role in the TDC 3000 Process Manager I/O system |
| **Configuration evidence** | Retain the project, mapping, range, address or interface assigned to this position |
| **Release evidence** | Link final diagnostics to a witnessed field or operator response |

**TECHNICAL DECISION**

Accept MC-TAOX12 51304335-125 only when its identifier and installed-system role agree.

**CHANGE BOUNDARY**

Any redesign beyond the documented MC-TAOX12 51304335-125 position requires separate engineering approval.

# Honeywell MC-TAOX12 51304335-125

Analog Output FTA / Published characteristics

This matrix groups the published MC-TAOX12 51304335-125 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact analog output fta record.

| | |
|---|---|
| **Supplied market identifier** | MC-TAOX12 |
| **Official Honeywell model** | MU-TAOX12 |
| **Exact part number** | 51304335-125 |
| **Function** | Analog output FTA |
| **Signal family** | 4-20 mA |
| **Channels** | 8 |
| **Terminal type** | Compression |
| **Mounting size** | B |
| **Conformal coating** | Coated execution |
| **Non-CE part in same row** | 51304335-100 |
| **Different MC execution** | 51304335-150 / -175 |
| **Selection rule** | Use complete part number and official model together |

### INTERPRETATION

Use every MC-TAOX12 51304335-125 value with the exact installed configuration.

### DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make MC-TAOX12 51304335-125 data actionable.

| | |
|---|---|
| **Nameplate check** | Manufacturer and full reference agree with the controlled record |
| **Range check** | Published operating or signal data agree with the configured use |
| **Interface check** | Backplane, terminal, cable, network or memory arrangement is documented |
| **Limit check** | Loading, channel count, supply or lifecycle constraint is reviewed |
| **Evidence close** | Source title and applicable product record are retained with the decision |

### NO BORROWED VALUES

Another Honeywell suffix cannot fill a missing MC-TAOX12 51304335-125 parameter.

### ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

# Honeywell MC-TAOX12 51304335-125

Analog Output FTA / System role and data flow

### Process-valve outputs

Terminates eight conventional 4-20 mA actuator command loops.

### Drive reference outputs

Routes approved analog speed or torque references from the output subsystem.

### Recorder and indicator signals

Provides field termination for high-level constant-current outputs.

### Legacy cabinet maintenance

Preserves the exact coated B-size FTA execution during TDC 3000 service.

## Signal and configuration path

| | |
|---|---|
| **Field layer** | Sensors, loads, terminal or operator interface assigned by the design |
| **Module layer** | MC-TAOX12 51304335-125 performs its published analog output fta role |
| **Control layer** | PLC project, address map or runtime application interprets the exchanged data |
| **Acceptance layer** | Diagnostics and intended process response are witnessed together |

## Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

| | |
|---|---|
| **Observed input** | Field, network or operator condition presented to MC-TAOX12 51304335-125 |
| **Published action** | The documented analog output fta function processes that condition |
| **Configured interpretation** | PLC logic, HMI project or station mapping assigns system meaning |
| **Expected output** | A defined state, value, message or command is produced |
| **Acceptance proof** | The complete path is witnessed under controlled conditions |

### APPLICATION RECORD

Tie each MC-TAOX12 51304335-125 use case to the installed drawing or project tag.

### EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

# Honeywell MC-TAOX12 51304335-125

Analog Output FTA / Engineering decisions

### SUPPORTED IDENTITY

MC-TAOX12 51304335-125

### PUBLISHED FUNCTION

Analog Output FTA

### SYSTEM CONTEXT

TDC 3000 Process Manager I/O

### UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

## Model-specific questions

**Which Honeywell model officially corresponds to MC-TAOX12 51304335-125?**

Honeywell's hardware table maps part number 51304335-125 to MU-TAOX12.

**What signal family is assigned to MC-TAOX12 51304335-125?**

Honeywell groups MU-TAOX12 with 4-20 mA analog-output FTAs.

**Why should the MC prefix not determine selection for MC-TAOX12 51304335-125?**

The MC-TAOX12 row uses different -150 and -175 part numbers, while 51304335-125 belongs to MU-TAOX12.

**What physical execution must be checked on receipt of MC-TAOX12 51304335-125?**

Confirm the coated B-size MU-TAOX12 execution and the complete 51304335-125 marking.

**How many analog-output channels are provided by MC-TAOX12 51304335-125?**

The official MU-TAOX12 row specifies eight analog-output channels.

**Which terminal and mounting form apply to MC-TAOX12 51304335-125?**

The table lists compression terminals and B-size mounting.

**What must be recorded before field wires are removed from MC-TAOX12 51304335-125?**

Record all eight loop tags, terminal positions, polarities, shield terminations and commanded values.

**How is each channel accepted after installation of MC-TAOX12 51304335-125?**

Command a controlled current, measure the loop value and verify the intended final-element direction and response.

## Decision closeout

Close the MC-TAOX12 51304335-125 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

| | |
|---|---|
| **Question coverage** | Identity, function, configuration and field handling addressed |
| **Open item** | Any unanswered exact-model point is listed without guessed data |
| **Decision owner** | Responsible engineering or maintenance role identified |
| **Supporting record** | Drawing, project revision, readings and witnessed result attached |

### APPROVAL

The MC-TAOX12 51304335-125 decision is accepted only within the documented scope.

### REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

# Honeywell MC-TAOX12 51304335-125

Analog Output FTA / Evidence and support

| | |
|---|---|
| **Exact product** | Honeywell MC-TAOX12 51304335-125 |
| **Technical class** | Analog Output FTA |
| **Platform** | TDC 3000 Process Manager I/O |
| **Evidence use** | Exact-model characteristics and engineering boundary |
| **Record with** | Installed drawing, project and acceptance evidence |

| | |
|---|---|
| **Retained evidence** | Nameplate, source title, configuration baseline and field record |
| **Installation evidence** | Isolation, conductor/connector record and post-work inspection |
| **Commissioning evidence** | Diagnostics, measurements and intended response |
| **Final record** | Responsible witness, date, exceptions and approved disposition |

## VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

| | |
|---|---|
| **Honeywell 51195096-200 EC-Compatible PLCI I/O Board** | View Honeywell 51195096-200 EC-Compatible PLCI I/O Board page |
| **Honeywell 8C-PAON01 Series 8 Non-HART Analog Output Module** | View Honeywell 8C-PAON01 Series 8 Non-HART Analog Output Module page |

## MANUFACTURER EVIDENCE RECORD

**Honeywell Experion Control Hardware Planning Guide**

EP-DOC-X175, R301.1

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Send the exact model, quantity, destination and requested condition for a quotation.