MU-TDID12 51304441-125

24 V DC Digital Input Field Termination Assembly

Honeywell MU-TDID12 51304441-125 is a 32-channel, 24 V DC digital input field termination assembly with compression terminals and the nonconformally coated CE-compliant execution.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	MU-TDID12 51304441-125
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	46.2cm x 12cm x 5.5cm
Country of Origin	USA
Weight	1.18 kg
Manufacturer	Honeywell
Product Category	DCS Systems

Buyer information - Overview

MU-TDID12 uses compression terminals. MU-TDID52 uses fixed screw terminals and MU-TDID72 uses removable screw terminals with a single-IOP configuration. The 51304441-125 assembly is the CE execution, distinct from 51304441-100.

Discrete field consolidation: A single termination assembly groups plant contact-state signals for the digital input subsystem.

Compression-terminal servicing: Field conductor connections can be reviewed against recorded terminal assignments.

Defined execution selection: Cabinet compliance and terminal construction are checked together during replacement.

The 24 V DC digital input function distinguishes MU-TDID12 from the 120 V AC and 240 V AC termination families. Its 32 channels terminate field wiring before the associated input processing path. Supply and signal classification must be confirmed from the complete installed drawing.

The documented compression-terminal version differs mechanically from the MU-TDID52 fixed-screw and MU-TDID72 removable-screw versions. Terminal construction affects conductor handling and replacement work even where the nominal field-signal class appears similar.

Honeywell assigns a 408 mA assembly-current value in its 24 V DC planning table for MU-TDID12/52. Use that value for the documented cabinet power budget, with the processor and other assemblies accounted for separately. The planning figure does not establish the allowable load on an individual field input.

Controller platform reference: Honeywell 24 V DC digital input subsystem. Confirm the installed terminal drawing.

Technical specifications

Field input class	24 V DC
Digital input channels	32
Planning supply basis	24 V DC
Assembly current for power planning	408 mA
Terminal construction	Compression
Mounting class	C

Applications / Compatibility

Use this assembly at the field-wiring boundary for the documented 24 V DC digital input system. Verify input processor and conductor assignments before accepting a replacement.

Terminal construction and cabinet compliance form part of the installation choice. Match them with the complete assembly code and the existing wiring record.

Discrete state acquisition	***Cabinet power planning***
Terminate the documented 24 V DC field input groups before input processing.	Include the assembly-current allowance in the complete cabinet calculation.

Compression-terminal maintenance
Capture conductor positions and terminal condition for a controlled FTA exchange.

Legacy input restoration
Prove actual switch-state indications against the original channel assignment after replacement.

Product Precautions

Identify the signal voltage
Verify the installed inputs belong to the 24 V DC family before touching field wiring.

Label every channel conductor
Record terminal positions, conductor identifiers and their associated input points.

Inspect compression terminals
Check conductor retention and terminal damage using the approved service method.

Check the power budget
Account for the FTA and processor loads independently.

Compare execution codes
Confirm -125 against the installed CE configuration and retain its revision record.

Test both input states
Verify representative active and inactive field states at the receiving system after restoration.

Lifecycle Status

The current factory phase for MU-TDID12 51304441-125 is unconfirmed. It supports existing 24 V DC discrete-input termination in the Process Manager family.

Preserve the CE execution and compression terminals. Review conductor assignments before replacing the FTA, and distinguish the fixed-screw and removable-screw alternatives by their complete identities.

The offered assembly provides field termination. Input processor cards, field switches, cabinet wiring and mounting hardware are separate unless listed.

Available Unit Details

Confirm MU-TDID12 with 51304441-125 and the delivered revision. Compare the 32-channel compression-terminal layout with the installed assembly.

Inspect terminal retention, conductor entry points, connector condition and mounting features. Capture all field conductor labels before removal.

Included assembly - one MU-TDID12 51304441-125 termination assembly

Technical notes

Current interpretation	408 mA is the assembly-current entry in the 24 V DC power-planning table, rather than a per-input field current.
Terminal alternatives	MU-TDID52 uses fixed screw terminals. MU-TDID72 uses removable screw terminals and is listed for a single IOP.
Compliance execution	The -125 part is the CE-compliant nonconformally coated assembly. The -100 part is the non-CE version.

Alternative Names

Honeywell MU-TDID12 51304441-125

MU TDID12 51304441-125

Frequently Asked Questions (FAQ)

Can MU-TDID12 51304441-125 be selected for a 120 V field input?	Its documented input class is 24 V DC. Verify the field supply and wiring drawing because the higher-voltage DI families have different complete model identities.
Does the planning current of MU-TDID12 51304441-125 define its per-channel input limit?	The 408 mA entry is an assembly power-planning value at the stated supply basis. Use it for cabinet budgeting and obtain the applicable input electrical specification before assessing individual channel loading.
What changes when replacing MU-TDID12 51304441-125 with a screw-terminal version?	The terminal mechanism and potentially the IOP arrangement change. Compare conductor handling, terminal assignment and full model selection before approving a different version.
How is the CE execution of MU-TDID12 51304441-125 distinguished?	The exact -125 assembly is listed as the CE-compliant version. Check the complete part marking and the installed cabinet conditions rather than relying on the shared MU-TDID12 model text.
Which evidence should be captured before disconnecting MU-TDID12 51304441-125?	Photograph terminal labels, conductor identifiers, connector locations and the full assembly revision. Associate each wire with its control-system input point so reconnection can be checked independently.
How should MU-TDID12 51304441-125 be tested after conductor restoration?	Under the approved plant procedure, compare representative active and inactive field states with the receiving-system indications. Resolve inverted or misplaced points before the affected inputs resume normal service.
What should be reviewed if several MU-TDID12 51304441-125 inputs fail together?	Review common field supply, connector seating and shared wiring paths before attributing the symptom to separate switches. Compare the affected group with the documented terminal map.
Why should the single-IOP alternative be reviewed separately from MU-TDID12 51304441-125?	MU-TDID72 is explicitly identified as a single-IOP FTA and uses removable screw terminals. Confirm the processor configuration and termination method together before considering substitution.

Downloads

Honeywell 24 V DC Digital Input FTA Excerpt	Original power-planning, terminal-selection and exact CE assembly identification pages.
MU-TDID12 51304441-125 Digital Input Field Guide	Field voltage checks, terminal mapping, current-budget interpretation and input-state acceptance.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include MU-TDID12 51304441-125 and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered MU-TDID12 51304441-125 with the installed equipment and applicable Honeywell documentation.

Related Honeywell product references

Review the complete assembly identity and installed-system application for each reference.

- Honeywell MU-TLPA02 51309204-125

Engineering contact

Discuss the exact marking and installed temperature-input architecture with Apter Power. sales13@apterpower.com | +86 18030235313

Technical basis

Honeywell HPM Planning, March 1998, power planning and digital input FTA selection