

Installation Identity and Scope

HONEYWELL TD330N16DOF is a high-current thyristor/diode power module for industrial phase-control and converter service. Retain the complete TD330N16DOF marking when matching the installed assembly.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TD330N16DOF
Manufacturer	HONEYWELL
Hardware type	Thyristor Diode Module
System family	TD330N16 Phase-Control Module
Official source	Infineon official TD330N16 family technical information; exact TD330N16DOF order marking retained from the user-supplied product record

CONTROLLED ENGINEERING COPY

The public manufacturer record verifies the TD330N16 electrical family; the complete TD330N16DOF order suffix must still be confirmed from the physical marking and installed-system record before replacement. Record the heatsink, thermal interface, bus connections and gate wiring before removal.

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TD330N16DOF

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete TD330N16DOF marking before work.
2	Isolate and discharge the converter DC link under the approved procedure.
3	Record every bus, gate and auxiliary connection before removal.
4	Confirm the heatsink surface and thermal-interface requirement.
5	Use ESD controls and avoid stress on the insulated terminals.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	TD330N16DOF
Physical interface	Converter power stage and DC-link isolation
Companion check	Heatsink and approved thermal interface
Configuration	Bus connections and gate-drive wiring
Functional proof	Insulation and controlled-load test equipment

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record HONEYWELL TD330N16DOF exactly.
Isolation	Prove the DC link is discharged.
Buswork	Label each high-current connection.
Gate wiring	Record polarity and terminal assignment.
Heatsink	Inspect flatness and thermal interface.
Fasteners	Use approved torque values.
Insulation	Complete the approved electrical checks.
Function	Run a controlled converter test.

CONFIGURATION BOUNDARY

The public manufacturer record verifies the TD330N16 electrical family; the complete TD330N16DOF order suffix must still be confirmed from the physical marking and installed-system record before replacement. Record the heatsink, thermal interface, bus connections and gate wiring before removal.

Expected Technical Values

PARAMETER	VALUE
Complete model	TD330N16DOF
Module type	Phase-control thyristor/diode power module
Repetitive off-state voltage	1600 V family rating
Maximum RMS on-state current	520 A family rating

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	HONEYWELL TD330N16DOF is recorded.
Assembly	Buswork, gate wiring and thermal interface match the approved record.
Electrical checks	Insulation and gate-drive results are acceptable.
Operation	The converter passes its controlled functional test.

Technical Questions to Resolve

QUESTION	ENGINEERING ANSWER
What is HONEYWELL TD330N16DOF?	It is identified as a high-current thyristor/diode power module for industrial phase-control or converter service.
What voltage family is documented?	The official TD330N16 family information documents a 1600 V repetitive off-state rating.
What current capability is documented?	The TD330N16 family documentation lists a maximum RMS on-state current of 520 A and an average-current family rating up to 330 A.
What gate values are documented?	The family technical information lists a maximum gate-trigger current of 200 mA and maximum gate-trigger voltage of 2.0 V.

Source, Related Products and Release

MODEL	APTER POWER PAGE
HONEYWELL 10005-1-1	View HONEYWELL 10005-1-1
HONEYWELL 10006-2-1	View HONEYWELL 10006-2-1
HONEYWELL 10008-U	View HONEYWELL 10008-U
HONEYWELL 10012-1-2	View HONEYWELL 10012-1-2
HONEYWELL 10014-1-1	View HONEYWELL 10014-1-1
HONEYWELL 10014-F-F	View HONEYWELL 10014-F-F
HONEYWELL 10014-H-I	View HONEYWELL 10014-H-I
HONEYWELL 10018-E-1	View HONEYWELL 10018-E-1

MANUFACTURER SOURCE RECORD

Infineon TT330N / TD330N Phase Control Thyristor Module Technical Information
Infineon official TD330N16 family technical information; exact TD330N16DOF order marking retained from the user-supplied product record

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	TD330N16DOF recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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