

TD330N16DOF

Thyristor Diode Module

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.

BRAND	HONEYWELL	ORIGIN	USA
MODEL	TD330N16DOF	PRODUCT	Thyristor Diode Module
FAMILY	TD330N16 Phase-Control Module	SOURCE	Infineon official TD330N16 family technical information; exact TD330N16DOF order marking retained from the user-supplied product record

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

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Product Overview

SYSTEM FUNCTION

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.

FUNCTION 1

1600 V phase-control switching

FUNCTION 2

High-current thyristor/diode path

FUNCTION 3

Pressure-contact power-block construction

FUNCTION 4

Heatsink-mounted converter integration

TECHNICAL NOTE

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.

Technical Data and Acceptance

PARAMETER	VERIFIED 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
Average on-state current	Up to 330 A family rating
Surge current	Up to 12.5 kA at 25 deg C, 10 ms
Gate trigger current	200 mA maximum family value
Gate trigger voltage	2.0 V maximum family value
Critical current rise	250 A/us family value
Critical voltage rise	1000 V/us for documented F characteristic
Country of origin	USA

ENGINEERING 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.

Acceptance Path

1 IDENTITY

HONEYWELL TD330N16DOF is recorded.

2 ASSEMBLY

Buswork, gate wiring and thermal interface match the approved record.

3 ELECTRICAL CHECKS

Insulation and gate-drive results are acceptable.

4 OPERATION

The converter passes its controlled functional test.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Industrial converter bridge	Provides a controlled high-current semiconductor path in the documented converter power stage.
Motor-drive rectification	Supports the approved rectifier or phase-control section of industrial drive equipment.
High-current power control	Handles the documented current and voltage duty within the verified TD330N16 family limits.
Controlled spare replacement	Preserves the complete TD330N16DOF identifier for the installed assembly and thermal design.

Model-Specific FAQ - Part 1

QUESTION	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.

FAQ, Related Products and Source

QUESTION	ANSWER
Why must the full suffix be retained?	The DOF suffix is part of the supplied identity and must be confirmed against the physical module and installed-system record.
What must be recorded before removal?	Record the complete marking, bus connections, gate wiring, heatsink position and thermal-interface arrangement.
Can another TD330N16 suffix be substituted?	Not by family number alone; the complete suffix, topology, terminal layout and thermal design require documented approval.
What confirms successful commissioning?	Insulation and gate-drive checks pass, connections remain within approved limits and the converter completes its controlled functional test.

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

Related Products on Apter Power

MODEL	APTER POWER PAGE
HONEYWELL 10018-U-1	View HONEYWELL 10018-U-1
HONEYWELL 10020-1-2	View HONEYWELL 10020-1-2
HONEYWELL 10024-H-F	View HONEYWELL 10024-H-F
HONEYWELL 10024-H-I	View HONEYWELL 10024-H-I
HONEYWELL 10024-I-F	View HONEYWELL 10024-I-F
HONEYWELL 10024-I-I	View HONEYWELL 10024-I-I
HONEYWELL 10102-2-1	View HONEYWELL 10102-2-1
HONEYWELL 10105-2-1	View HONEYWELL 10105-2-1

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