

135473-01

3500/25 Keyphasor I/O Module with Internal Barriers

Bently Nevada 135473-01 is the 3500/25 Keyphasor I/O module with internal barriers and internal terminations. It receives the documented proximity or magnetic pickup wiring for Keyphasor timing references in a 3500 rack.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500/25 Enhanced Keyphasor Module
Part number	135473-01
Product role	Terminates Keyphasor timing-reference field signals
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Install 135473-01 only in the documented Bently Nevada 3500/25 Enhanced Keyphasor Module arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

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135473-01

Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	USA	Barrier option	Internal barriers
HS code	8537101190	Termination option	Internal terminations
Part number	135473-01	Host module	3500/25 Enhanced Keyphasor
I/O module type	Keyphasor		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 3500/25 Enhanced Keyphasor Module
Primary system role	Terminates Keyphasor timing-reference field signals
Connection boundary	Install 135473-01 only in the documented Bently Nevada 3500/25 Enhanced Keyphasor Module arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.
Controlled acceptance duty	Turbine phase-reference acquisition

ENGINEERING BOUNDARY

Confirm the complete 135473-01 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Pre-Installation Checks

1	Confirm 135473-01, internal barriers and internal terminations on the module label.	2	Place affected machinery protection and phase-reference functions in maintenance state.
3	Isolate field circuits and rack power according to the approved procedure.	4	Record Keyphasor input, common, shield and barrier assignments.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	135473-01
Installed host	Bently Nevada 3500/25 Enhanced Keyphasor Module
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 135473-01 is the 3500/25 Keyphasor I/O module with internal barriers and internal terminations. It receives the documented proximity or magnetic pickup wiring for Keyphasor timing references in a 3500 rack.

FUNCTION 1
Terminates Keyphasor timing-reference field signals

FUNCTION 2
Includes internal barriers for the documented installation

FUNCTION 3
Matches the rear I/O position of a 3500/25 module

FUNCTION 4
Preserves internal termination and channel identity

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 3500/25 Enhanced Keyphasor Module
2	8537101190
3	Turbine phase-reference acquisition
4	Install 135473-01 only in the documented Bently Nevada 3500/25 Enhanced Keyphasor Module arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3500/25 Enhanced Keyphasor Module
Interface role	Terminates Keyphasor timing-reference field signals
Field / power context	Use 135473-01 only with its documented host, interfaces and accessories; record the as-found arrangement and complete a controlled functional verification after installation.
Commissioning evidence	Prove phase reference, diagnostics and associated monitoring response before release.

Installation and Connection Checks

1
Inspect terminal blocks, barrier components, grounding and rear connector.

2
Match the module to the assigned 3500/25 front monitor position.

3
Restore rack configuration and verify input polarity and event stability.

4
Prove phase reference, diagnostics and associated monitoring response before release.

MANUFACTURER SOURCE RECORD

3500/25 Enhanced Keyphasor Module Datasheet
Baker Hughes document 141532 Rev. Y

Applications and Engineering Context

Turbine phase-reference acquisition
Receives once-per-turn or multi-event timing signals for machinery monitoring.

3500 transient-data synchronization
Provides the rack timing reference used by configured monitoring channels.

Hazardous-area Keyphasor inputs
Maintains the approved internal-barrier arrangement for field pickup circuits.

Keyphasor I/O replacement
Restores the exact rear module while retaining channel wiring and shields.

TECHNICAL NOTE
Install 135473-01 only in the documented Bently Nevada 3500/25 Enhanced Keyphasor Module arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	135473-01 recorded
Host / carrier	Bently Nevada 3500/25 Enhanced Keyphasor Module
Physical interface	Terminates Keyphasor timing-reference field signals
Configuration	Restore rack configuration and verify input polarity and event stability.
Functional proof	Prove phase reference, diagnostics and associated monitoring response before release.

IMPORTANT NOTICE
Confirm the complete 135473-01 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	135473-01
Approved role	Turbine phase-reference acquisition
Final validation	Prove phase reference, diagnostics and associated monitoring response before release.

Engineering Precautions

- 1

Confirm 135473-01, internal barriers and internal terminations on the module label.
- 2

Place affected machinery protection and phase-reference functions in maintenance state.
- 3

Isolate field circuits and rack power according to the approved procedure.
- 4

Record Keyphasor input, common, shield and barrier assignments.
- 5

Inspect terminal blocks, barrier components, grounding and rear connector.
- 6

Match the module to the assigned 3500/25 front monitor position.
- 7

Restore rack configuration and verify input polarity and event stability.
- 8

Prove phase reference, diagnostics and associated monitoring response before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
330130-080-00-00	extension cable	View 330130-080-00-00 page
330180-50-00	Proximitior Sensor	View 330180-50-00 page
3500/25	Keyphasor module	View 3500/25 page
3500/40M	proximity monitor	View 3500/40M page
3500/42M	seismic monitor	View 3500/42M page
3500/45	position monitor	View 3500/45 page
330101-00-08-05-02-05	8 mm probe	View 330101-00-08-05-02-05 page
330101-00-20-20-02-CN	8 mm probe	View 330101-00-20-20-02-CN page

MANUFACTURER SOURCE RECORD

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