

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.

BRAND	Bently Nevada	FAMILY	Bently Nevada 3500/25 Enhanced Keyphasor Module
PART	135473-01	SYSTEM ROLE	Terminates Keyphasor timing-reference field signals

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135473-01

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Bently Nevada 3500/25 Enhanced Keyphasor Module
Primary interface	Terminates Keyphasor timing-reference field signals
Engineering 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 duty	Prove phase reference, diagnostics and associated monitoring response before release.

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.

Technical Data

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		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
330105-02-12-10-02-05	reverse-mount probe	View 330105-02-12-10-02-05 page
330106-05-30-10-02-05	reverse-mount probe	View 330106-05-30-10-02-05 page
330130-080-00-00	extension cable	View 330130-080-00-00 page
330180-50-00	Proximitor 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

ENGINEERING BOUNDARY

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

Applications and Precautions

Common Applications

Turbine phase-reference acquisition

Receives once-per-turn or multi-event timing signals for machinery monitoring.

Hazardous-area Keyphasor inputs

Maintains the approved internal-barrier arrangement for field pickup circuits.

3500 transient-data synchronization

Provides the rack timing reference used by configured monitoring channels.

Keyphasor I/O replacement

Restores the exact rear module while retaining channel wiring and shields.

Product 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.

IMPORTANT NOTICE

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

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	135473-01
Configuration	Restore rack configuration and verify input polarity and event stability.
Functional release	Prove phase reference, diagnostics and associated monitoring response before release.

Engineer FAQ

Q1 What identity details must be checked before 135473-01 is removed?

Confirm 135473-01, 3500/25 host, internal-barrier and termination execution, rear rack position, pickup type, channel wiring, shields, grounding, rack configuration, trigger levels and stable phase-reference test results before commissioning.

Q3 Which Bently Nevada 3500/25 Enhanced Keyphasor Module interfaces must be recorded for 135473-01?

The I/O module is mounted at the rear of the assigned rack position and interfaces proximity probes or magnetic pickups with the Enhanced Keyphasor monitor. Commissioning checks barrier identity, terminal mapping, shielding and stable timing events.

Q5 How should the installed configuration be restored after fitting 135473-01?

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

Q7 What replacement records should be retained for 135473-01?

Confirm 135473-01, internal barriers and internal terminations on the module label. Inspect terminal blocks, barrier components, grounding and rear connector.

Q2 How does 135473-01 perform its documented 3500/25 keyphasor i/o module with internal barriers role?

Terminates Keyphasor timing-reference field signals. It receives the documented proximity or magnetic pickup wiring for Keyphasor timing references in a 3500 rack.

Q4 What isolation and ESD controls apply while handling 135473-01?

Place affected machinery protection and phase-reference functions in maintenance state. Isolate field circuits and rack power according to the approved procedure.

Q6 Which diagnostic evidence confirms that 135473-01 is recognized correctly?

Restore rack configuration and verify input polarity and event stability.

Q8 What final acceptance test is required before 135473-01 returns to service?

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

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