

147364-01

3500 Buffered Signal Output Module

Bently Nevada 147364-01 is a 3500 Buffered Signal Output Module used in the documented 3500/22M diagnostic-access arrangement. It provides buffered monitor signals to external diagnostic connections such as a 3500/08 Diagnostics Access Panel.

BRAND	Bently Nevada	ORIGIN	USA
MODEL	147364-01	FAMILY	3500/22M Transient Data Interface arrangement
HS CODE	8537101190	SHIP FROM	Xiamen, Fujian, China
DIMENSIONS		PRODUCT	3500 Buffered Signal Output Module

MANUFACTURER SOURCE RECORD

3500/08 Diagnostics Access Panel Datasheet
Baker Hughes / Bently Nevada publication 141529 Rev. F

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Product Overview

SYSTEM FUNCTION

Bently Nevada 147364-01 is a 3500 Buffered Signal Output Module used in the documented 3500/22M diagnostic-access arrangement. It provides buffered monitor signals to external diagnostic connections such as a 3500/08 Diagnostics Access Panel.

BUFFERED MONITOR-SIGNAL ACCESS

Verified model-specific feature or controlled record item.

OPTIONAL SECOND I/O POSITION AT THE TDI

Verified model-specific feature or controlled record item.

3500/08 DIAGNOSTIC-PANEL SUPPORT

Verified model-specific feature or controlled record item.

EXTERNAL DIAGNOSTIC-EQUIPMENT CONNECTION

Verified model-specific feature or controlled record item.

TECHNICAL NOTE

Install 147364-01 only in the documented rear I/O position between the power-input modules and the TDI network I/O. Record every source channel and external destination, then compare each buffered output with the corresponding monitor signal before release.

Technical Data and Acceptance

Acceptance Path

PARAMETER	VERIFIED VALUE
Country of origin	USA
HS code	8537101190
Ship from	Xiamen, Fujian, China
System	3500 Machinery Protection System
Module function	Buffered signal output
Associated interface	3500/22M TDI
Diagnostic panel	3500/08
Access role	External buffered monitor signals
Installation	Optional second rear I/O module

1 IDENTITY

Record 147364-01.

2 INTERFACE

Document mounting and connections.

3 CONFIGURATION

Confirm system and channel.

4 PROOF

Complete functional acceptance.

ENGINEERING BOUNDARY

Use the exact ordering-code values shown here together with the physical marking and installed-system record. Confirm mounting, connections and the configured channel before release.

Applications and Precautions

3500/08 SIGNAL ACCESS

Feeds documented rack monitor signals to the external diagnostics access panel.

PORTABLE DIAGNOSTIC CONNECTION

Makes buffered signals available to approved analysis equipment.

COMMISSIONING COMPARISON

Allows a controlled external comparison with the corresponding rack monitor channel.

INSTALLED-BASE TDI DIAGNOSTICS

Supports the optional buffered-output path in a 3500/22M arrangement.

Controlled Checks

NO.	CHECK
1	Verify 147364-01 from the physical rear-module marking.
2	Record the rack, slot and TDI network I/O position before removal.
3	Install it only in the optional buffered-output location documented for the TDI arrangement.
4	Label every buffered channel and external cable destination.
5	Preserve the rack Signal Common and chassis-ground configuration.
6	Do not treat the buffered diagnostic path as a replacement for the protection path.
7	Compare each used output with its source monitor channel and expected waveform.
8	Resolve channel swaps, noise or grounding differences before service release.

FAQ, Related Products and Source

QUESTION	ANSWER
What signal role does 147364-01 perform?	It provides buffered machinery-monitor signals for external diagnostic access in the 3500 rack.
Where is 147364-01 installed in a 3500/22M arrangement?	The TDI supports an optional second I/O module between the Power Input Modules and the primary TDI network I/O.
Why is 147364-01 associated with a 3500/08 panel?	The official 3500/08 datasheet states that a Buffered Signal Output Module is required with a 3500/22 TDI to expose all buffered signals.
How many monitor channels can one 3500/08 panel receive through the 147364-01 arrangement?	One 3500/08 can deliver signals from six four-channel monitors and one two-channel Keyphasor Module.
What is the 3500/08 cable-length limit relevant to 147364-01?	The Diagnostics Access Panel datasheet specifies a maximum cable length of 26 metres or 85 feet.
Should 147364-01 be used as a substitute protection output?	No. Its documented purpose is buffered diagnostic access; protection functions remain in the configured monitor path.
What channel-identification check is essential after replacing 147364-01?	Compare every used buffered output with the intended source monitor channel and verify the expected waveform or static signal.
Which grounding evidence should be retained for 147364-01?	Record rack Signal Common, chassis ground, cable shields, diagnostic-panel ground and any observed potential difference before final connection.

Related Bently Nevada Products

MODEL	RELATION	APTER POWER PAGE
3500-05-02-04-01-00-00	Bently Nevada machinery-monitoring component	View 3500-05-02-04-01-00-00
3500-05-02-05-00-00-00	Bently Nevada machinery-monitoring component	View 3500-05-02-05-00-00-00
3500-05-02-05-00-00-01	Bently Nevada machinery-monitoring component	View 3500-05-02-05-00-00-01
3500-04-C2-A0136719-01-C2-A0128275-01F	Bently Nevada machinery-monitoring component	View 3500-04-C2-A0136719-01-C2-A0128275-01F
3500-05-01-01-00-00-00	Bently Nevada machinery-monitoring component	View 3500-05-01-01-00-00-00
3500-05-01-01-00-00-01	Bently Nevada machinery-monitoring component	View 3500-05-01-01-00-00-01
3500-05-01-02-00-00-00	Bently Nevada machinery-monitoring component	View 3500-05-01-02-00-00-00
3500-05-01-02-00-00-01	Bently Nevada machinery-monitoring component	View 3500-05-01-02-00-00-01

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