

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.

IDENTITY	VERIFIED VALUE	TRADE	VERIFIED VALUE
Manufacturer	Bently Nevada	Country of origin	USA
Model	147364-01	HS code	8537101190
Product	3500 Buffered Signal Output Module	Ship from	Xiamen, Fujian, China
Family	3500/22M Transient Data Interface arrangement	Dimensions	

DOCUMENT SCOPE

Exact model identity, supported configuration data, installation checks, applications, precautions and controlled acceptance records.

MODEL-SPECIFIC ENGINEERING 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.

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147364-01

Verified Product Record

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

Installation Boundary

ENGINEERING BOUNDARY

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.

CHECK	REQUIRED RECORD
Identity	147364-01
Installed arrangement	Position, mating hardware, cable and termination
Configuration	Associated module or monitor channel
Acceptance	Diagnostics and controlled functional proof

SOURCE BOUNDARY

Baker Hughes / Bently Nevada publication 141529 Rev. F. Apply only the exact ordering-code values shown in this document and verify the installed marking before work.

System Role and Verification

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.

IDENTITY
Record 147364-01 from the physical marking.

INTERFACE
Document every mating part, connector and cable before disturbance.

CONFIGURATION
Confirm the associated system and channel using manufacturer records.

ACCEPTANCE
Restore the documented arrangement and prove operation before release.

Controlled Installation Checklist

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.

Applications and Model-Specific FAQ

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.

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.

Precautions and Related Products

NO.	PRECAUTION
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.

Related Bently Nevada Products on Apter Power

MODEL	RELATION	APTER POWER PAGE
149992-01	Bently Nevada machinery-monitoring component	View 149992-01
169459-01	Bently Nevada machinery-monitoring component	View 169459-01
172103-01	Bently Nevada machinery-monitoring component	View 172103-01
172109-01	Bently Nevada machinery-monitoring component	View 172109-01
172115-01	Bently Nevada machinery-monitoring component	View 172115-01
330101-00-48-50-02-05	Bently Nevada machinery-monitoring component	View 330101-00-48-50-02-05
3500-01-01	Bently Nevada machinery-monitoring component	View 3500-01-01
3500-04-136719-01-128275-01	Bently Nevada machinery-monitoring component	View 3500-04-136719-01-128275-01

MANUFACTURER SOURCE RECORD

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

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