

Bently Nevada 140482-01 is a 3500/42M Prox/Velom I/O module with external terminations. It supports the documented Prox/Accel, Velomitor and HTVS input arrangements and requires the corresponding external terminal block and cable.

Installed context

Signal role	Installed context	Acceptance
Configured measurement or control path	Mating component or rack position	Machine-specific functional check

Radial vibration channels

Terminate documented proximity transducer inputs for a 3500/42M monitor.

Seismic vibration channels

Interface supported Velomitor or HTVS sensor arrangements.

Prox/Accel configuration

Support the documented mixed input arrangement with external terminations.

Rack maintenance

Restore the exact external-termination I/O part during controlled module service.

Engineering checkpoints

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source

Related models

Bently Nevada 128031-01	Related portfolio reference; verify the complete execution.
Bently Nevada 128718-01	Related portfolio reference; verify the complete execution.
Bently Nevada 3500/25 125800-02	Related portfolio reference; verify the complete execution.
Bently Nevada 3500/61 136711-02	Related portfolio reference; verify the complete execution.

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Manufacturer-supported characteristics

System	3500 Machinery Protection System
Module type	Prox/Velom I/O module
Termination style	External terminations
Supported input arrangement	Prox/Accel
Supported sensor families	Proximity transducers; Velomitor; HTVS as documented
External hardware	Terminal block and cable ordered separately

Additional data

Internal block restriction	Do not use with internal termination blocks
Rack rule	Use the slot and monitor arrangement in the controlled rack design
Configuration	Restore channel type and scale in the approved 3500 configuration
Acceptance	Verify channel OK state and measured response
Field interface	External-termination I/O architecture
Channel function	Proximity and seismic signal input

Interpretation boundary

Verify the complete 140482-01 identity, mating hardware and controlled system procedure before installation.

Evidence discipline

Unverified catalog fields and suffix meanings are intentionally omitted. Confirm them only from the exact manufacturer record or nameplate.

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01 / Field precaution

Verify 140482-01 and the external-termination requirement before installation.

02 / Field precaution

Confirm the mating 3500/42M monitor and configured channel types.

03 / Field precaution

Use the correct external terminal block and cable ordered for this arrangement.

04 / Field precaution

Do not connect this module to an internal termination block.

05 / Field precaution

Apply rack power and bypass controls according to the approved site procedure.

06 / Field precaution

Protect backplane and cable connectors from damage and electrostatic discharge.

07 / Field precaution

Restore channel scales and transducer settings from the controlled configuration.

08 / Field precaution

Verify each channel OK state, static value and dynamic response before release.

Acceptance checkpoints

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed
Acceptance	Machine-specific functional result recorded

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What is Bently Nevada 140482-01?

It is a 3500/42M Prox/Velom I/O module with external terminations.

Which monitor family uses Bently Nevada 140482-01?

It belongs to the 3500/42M Proximitors/Seismic Monitor family.

Which input arrangement is documented for Bently Nevada 140482-01?

The module supports the documented Prox/Accel arrangement and supported Velomitor or HTVS inputs.

Does Bently Nevada 140482-01 include the external terminal block?

No. The external terminal block and cable are ordered separately.

Can Bently Nevada 140482-01 be used with an internal termination block?

No. The official ordering note excludes internal termination blocks.

What must match Bently Nevada 140482-01 in the rack?

The monitor type, slot, external cable, terminal block and channel configuration must agree.

What should be preserved before replacing Bently Nevada 140482-01?

Preserve the controlled 3500 configuration, terminal identification and channel assignments.

What confirms commissioning of Bently Nevada 140482-01?

Verify every configured channel's OK state, static reading and expected dynamic response.

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Evidence record

Technical source	3500/42M Proximitors/Seismic Monitor Datasheet 143694 Rev. T
Evidence boundary	Only directly supported family and ordering statements are used
Verification focus	Function, signal path, interfaces and installation conditions

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Bently Nevada 128031-01	Related portfolio reference; verify the complete execution.
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Recommendation rule

Brand + model links identify related product pages. They do not claim compatibility or substitution.

Service record

Retain the installed point, companion components, as-found condition, inspection evidence and machine-specific acceptance result.

Manufacturer evidence

143694 Rev. T: exact ordering entry for 140482-01, external-termination architecture, supported sensor arrangements and external terminal-block requirement.

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