

135031-01

3500/20 RIM I/O Module with Modem Interface

CONTROLLED ENGINEERING COPY

Bently Nevada 135031-01 is the rear I/O module with an internal modem interface for a documented 3500/20 Rack Interface Module. It supports rack configuration and machinery-data collection through the matched 3500 rack interface.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	135031-01
Manufacturer	Bently Nevada
System family	Bently Nevada 3500/20 Rack Interface Module
Record scope	Installation, application and verification

1

2

3

4

5

PLAN

ISOLATE

CONNECT

CONFIGURE

TEST

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 135031-01 marking, product role and documented installation position.
- 2

Place the machinery protection system and connected process in the approved maintenance state.
- 3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.
- 4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.
- 5

Verify all manufacturer-documented mechanical and electrical values for this exact execution.

MATCHED HARDWARE

- 135031-01 with complete article identity
- Matched Bently Nevada host or transducer-loop component
- Documented field interfaces and cable route
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	135031-01 recorded
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms internal-modem communications and rear I/O interfacing for the 3500/20 RIM

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Spare part number	135031-01
Module role	RIM I/O module with modem interface
Communications	Hayes AT-compatible internal modem
Protocol	Bently Nevada proprietary
Maximum modem data rate	14.4 kbaud
Modem cable length	2.1 m (7 ft) maximum
Rack position	One full-height rear slot behind the 3500/20 RIM
Host requirement	One 3500/20 RIM per 3500 rack
System purpose	3500 rack configuration and machinery-data collection
Related system contacts	Trip Multiply, Alarm Inhibit and Rack Reset at the RIM I/O interface

RELATED PRODUCT PAGES

1

Bently Nevada
330103-12-25-10-02-00

2

Bently Nevada 135473-01

3

Bently Nevada 330130-045-01-05

4

Bently Nevada
330173-00-05-10-12-00

5

Bently Nevada 16710-12

6

Bently Nevada
330851-000-070-10-00-05

7

Bently Nevada
330851-02-000-030-10-00-00

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Bently Nevada
330851-02-000-050-10-00-05

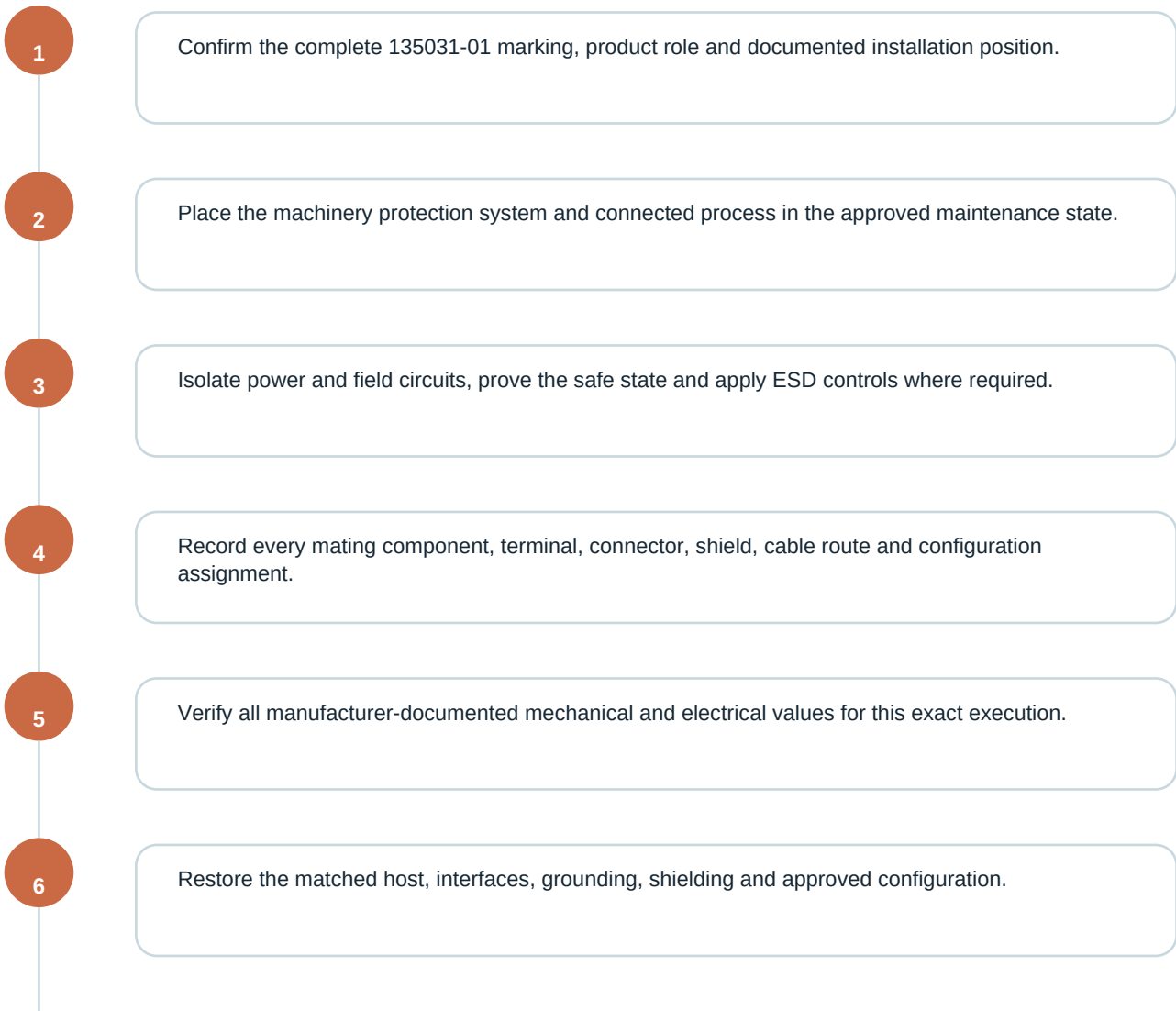
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Bently Nevada
330851-02-000-060-10-00-00

FIELD NOTE

Confirm 135031-01, its matched Bently Nevada 3500/20 Rack Interface Module host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	135031-01
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms internal-modem communications and rear I/O interfacing for the 3500/20 RIM

04 RETURN-TO-SERVICE RECORD

- ☐ Verify all manufacturer-documented mechanical and electrical values for this exact execution.
- ☐ Restore the matched host, interfaces, grounding, shielding and approved configuration.
- ☐ Energize under control and review rack, channel or transducer-loop diagnostics.
- ☐ Complete a controlled functional test of internal-modem communications and rear I/O interfacing for the 3500/20 RIM before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	135031-01
INSTALLED POSITION	Documented Bently Nevada rack or transducer-loop position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify all manufacturer-documented mechanical and electrical values for this exact execution.
- ☐ Restore the matched host, interfaces, grounding, shielding and approved configuration.
- ☐ Energize under control and review rack, channel or transducer-loop diagnostics.
- ☐ Complete a controlled functional test of internal-modem communications and rear I/O interfacing for the 3500/20 RIM before service release.

SOURCE IDENTIFIERS

3500/20 Rack Interface Module Datasheet 141531 Rev. D | Baker Hughes / Bently Nevada official manufacturer evidence, verified 28 September 2026