

135031-01

3500/20 RIM I/O Module with Modem Interface

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

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500/20 Rack

PART

135031-01

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

135031-01 provides internal-modem communications and rear I/O interfacing for the 3500/20 RIM for a matched Bently Nevada 3500/20 Rack Interface Module installation.

Exact article identity 135031-01

3500/20 RIM I/O Module with Modem Interface

Documented role: internal-modem communications and rear I/O interfacing for the

Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES					
1	Bently Nevada 330851-04-000-015-10-01-05	2	Bently Nevada 330851-04-000-020-10-01-00	3	Bently Nevada 3500-42M-176449-02
4	Bently Nevada 3500-45-176449-04	5	Bently Nevada 330101-00-08-05-02-05	6	Bently Nevada 330103-00-04-10-02-00
7	Bently Nevada 330103-00-12-10-01-00	8	Bently Nevada 330104-00-04-10-02-05	9	Bently Nevada 330104-00-12-10-02-00

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, mating hardware, wiring or cable route and approved configuration. Commissioning preserves that architecture and verifies controlled response.

TECHNICAL DATA

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

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TECHNICAL NOTE

Install 135031-01 only in the documented Bently Nevada 3500/20 Rack Interface Module position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and internal-modem communications and rear I/O interfacing for the 3500/20 RIM under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machinery-protection planned maintenance

Restores internal-modem communications and rear I/O interfacing for the 3500/20 RIM in the documented

3500/20 RIM I/O Module with Modem Interface replacement

Uses exact 135031-01 identity instead of an adjacent order-code execution.

Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

PRODUCT PRECAUTIONS

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.

6

Restore the matched host, interfaces, grounding, shielding and approved configuration.

7

Energize under control and review rack, channel or transducer-loop diagnostics.

8

Complete a controlled functional test of internal-modem communications and rear I/O interfacing for the

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Bently Nevada
330104-00-04-10-02-05

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Bently Nevada
330104-00-12-10-02-00

ENGINEER FAQ

Q1 How is 135031-01 identified before installation?

Match the complete 135031-01 marking, the 3500/20 RIM I/O Module with Modem Interface designation and the documented host position; do not substitute a neighboring suffix.

Q2 What function is assigned to 135031-01?

Bently Nevada documents it for internal-modem communications and rear I/O interfacing for the 3500/20 RIM in the matched Bently Nevada 3500/20 Rack Interface Module.

Q3 What official module role applies to 135031-01?

The manufacturer record specifies RIM I/O module with modem interface; verify the installed execution before work.

Q4 Which communications must be matched for 135031-01?

The documented value is Hayes AT-compatible internal modem. Preserve the associated mechanical, electrical and system interfaces.

Q5 How should the protocol of 135031-01 be checked?

Confirm protocol as Bently Nevada proprietary and compare it with the as-found installation record.

Q6 What must be recorded before replacing 135031-01?

Record the exact identity, installed position, mating components, wiring or cable route, configuration, active diagnostics and baseline response before disconnection.

Q7 What connection checks apply to 135031-01?

Keep every connector clean and correctly seated, preserve shields and grounding, observe documented torque or bend limits and restore the matched system arrangement.

Q8 How is 135031-01 accepted after installation?

Restore the recorded interfaces and configuration, review diagnostics, then complete a controlled test of internal-modem communications and rear I/O interfacing for the 3500/20 RIM before release.

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

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