

3500/22M-01-01-01

3500/22M Transient Data Interface

Bently Nevada 3500/22M-01-01-01 is a 3500/22M Transient Data Interface for the 3500 Machinery Protection System. It links the 3500 rack to the configured system software and transient-data collection path.

BRAND	Bently Nevada	FAMILY	Bently Nevada 3500 Machinery Protection System
PART	3500/22M-01-01-01	SYSTEM ROLE	Provides the rack's transient-data interface

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3500/22M-01-01-01

MANUFACTURER SOURCE RECORD

3500/22M Transient Data Interface Module Datasheet
Baker Hughes publication 161581 Rev. AC

Product Overview

SYSTEM FUNCTION

Bently Nevada 3500/22M-01-01-01 is a 3500/22M Transient Data Interface for the 3500 Machinery Protection System. It links the 3500 rack to the configured system software and transient-data collection path.

FUNCTION 1

Provides the rack's transient-data interface

FUNCTION 2

Uses 10BaseT/100BaseTX Ethernet

FUNCTION 3

Supports rack configuration and data communication

FUNCTION 4

Occupies the documented TDI rack position

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Bently Nevada 3500 Machinery Protection System
Primary interface	Provides the rack's transient-data interface
Engineering context	3500/22M-01-01-01 is installed only in the documented Bently Nevada 3500 Machinery Protection System arrangement with its matching host, terminal, cable or field interface. Commissioning preserves the as-found configuration and uses controlled identity, connection, diagnostic and functional checks.
Commissioning duty	Perform controlled channel and protection-path tests before service release.

TECHNICAL NOTE

Before removing 3500/22M-01-01-01, record the complete marking, installed position, mating hardware, connectors, wiring and configured channel role. Restore the documented arrangement, review system diagnostics and complete a controlled functional test before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Complete order number	3500/22M-01-01-01	I/O interface	10BaseT/100BaseTX Ethernet
TDI type	Standard	Approval	CSA/NRTL/C

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
330103-00-04-10-02-00	metric proximity probe	View 330103-00-04-10-02-00 page
330104-00-12-10-02-00	armored proximity probe	View 330104-00-12-10-02-00 page
330105-02-12-10-02-05	reverse-mount probe	View 330105-02-12-10-02-05 page
330130-080-00-00	extension cable	View 330130-080-00-00 page
330180-50-00	Proximitior Sensor	View 330180-50-00 page
3500/25	Keyphasor module	View 3500/25 page
3500/40M	Proximitior monitor	View 3500/40M page
3500/42M	monitor I/O module	View 3500/42M page

ENGINEERING BOUNDARY

Confirm 3500/22M-01-01-01, 3500 rack and slot, module and I/O hardware revisions, terminal or port assignments, wiring, grounding, rack firmware, software configuration, associated accessories and controlled diagnostic and protection-test results before commissioning.

Applications and Precautions

Common Applications

3500 rack system integration

Links the 3500 rack to the configured system software and transient-data collection path.

Machinery protection modernization

Restores an exact rack position while retaining the approved protection strategy.

Rotating-equipment monitoring

Supports configured vibration, position, speed or status information in the rack.

Controlled rack recommissioning

Provides the exact module identity used for diagnostics and functional acceptance.

Product Precautions

- 1

Confirm the complete 3500/22M-01-01-01 marking and assigned 3500 rack position.
- 2

Place every affected protection function in the approved maintenance state.
- 3

Record module, I/O and rack hardware revisions before removal.
- 4

Record every configured channel, port, relay or power connection.
- 5

Isolate applicable rack and field energy and observe ESD controls.
- 6

Restore the documented rack slot, wiring and software configuration.
- 7

Review rack, module and communication diagnostics after startup.
- 8

Perform controlled channel and protection-path tests before service release.

IMPORTANT NOTICE

Confirm 3500/22M-01-01-01, 3500 rack and slot, module and I/O hardware revisions, terminal or port assignments, wiring, grounding, rack firmware, software configuration, associated accessories and controlled diagnostic and protection-test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	3500/22M-01-01-01
Configuration	Review rack, module and communication diagnostics after startup.
Functional release	Perform controlled channel and protection-path tests before service release.

Engineer FAQ

Q1 What identity details must be checked before 3500/22M-01-01-01 is removed?

Confirm 3500/22M-01-01-01, 3500 rack and slot, module and I/O hardware revisions, terminal or port assignments, wiring, grounding, rack firmware, software configuration, associated accessories and controlled diagnostic and protection-test results before commissioning.

Q3 Which Bently Nevada 3500 Machinery Protection System interfaces must be recorded for 3500/22M-01-01-01?

3500/22M-01-01-01 is installed only in the documented Bently Nevada 3500 Machinery Protection System arrangement with its matching host, terminal, cable or field interface. Commissioning preserves the as-found configuration and uses controlled identity, connection, diagnostic and functional checks.

Q5 How should the installed configuration be restored after fitting 3500/22M-01-01-01?

Restore the documented rack slot, wiring and software configuration.

Q7 What replacement records should be retained for 3500/22M-01-01-01?

Confirm the complete 3500/22M-01-01-01 marking and assigned 3500 rack position. Isolate applicable rack and field energy and observe ESD controls.

Q2 How does 3500/22M-01-01-01 perform its documented 3500/22m transient data interface role?

Provides the rack's transient-data interface. It links the 3500 rack to the configured system software and transient-data collection path.

Q4 What isolation and ESD controls apply while handling 3500/22M-01-01-01?

Place every affected protection function in the approved maintenance state. Record module, I/O and rack hardware revisions before removal.

Q6 Which diagnostic evidence confirms that 3500/22M-01-01-01 is recognized correctly?

Review rack, module and communication diagnostics after startup.

Q8 What final acceptance test is required before 3500/22M-01-01-01 returns to service?

Perform controlled channel and protection-path tests before service release.

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