

INDUSTRIAL AUTOMATION PRODUCT

126648-01

Keyphasor I O Module

Bently Nevada 126648-01 is the Enhanced Keyphasor I/O Module with external terminations for the 3500/25 system.

| IDENTITY      | VERIFIED VALUE            |
|---------------|---------------------------|
| Manufacturer  | Bently Nevada             |
| System family | Bently Nevada 3500 System |
| Part number   | 126648-01                 |

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313  
EMAIL sales13@apterpower.com  
WEBSITE www.apterpower.com



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## Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

| PARAMETER            | TECHNICAL VALUE                         |
|----------------------|-----------------------------------------|
| part number          | 126648-01                               |
| host monitor         | 3500/25 Enhanced Keyphasor Module       |
| I/O role             | Keyphasor signal input                  |
| termination          | external termination                    |
| measurement purpose  | phase-reference and speed event input   |
| system platform      | 3500 machinery protection system        |
| configuration        | documented 3500 Keyphasor channel setup |
| official publication | 141532 Rev. W                           |

### ENGINEERING DATA SUMMARY

| DATA GROUP                 | VERIFIED ASSIGNMENT                      |
|----------------------------|------------------------------------------|
| Installed host / carrier   | Bently Nevada 3500 System                |
| Companion hardware         | the documented companion module          |
| Field connection           | approved field wiring                    |
| Primary system function    | Provides external Keyphasor terminations |
| Controlled acceptance duty | Phase reference                          |

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## System Role and Architecture

Bently Nevada 126648-01 is the Enhanced Keyphasor I/O Module with external terminations for the 3500/25 system.

FUNCTION 1

Provides external Keyphasor terminations

FUNCTION 2

Interfaces phase-reference signals

FUNCTION 3

Matches the 3500/25 module

FUNCTION 4

Supports speed and phase processing

### Matched system components

- Bently Nevada 3500 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

### SYSTEM INTEGRATION RECORD

| INTEGRATION ITEM           | DOCUMENTED ROLE                          |
|----------------------------|------------------------------------------|
| Installed host / carrier   | Bently Nevada 3500 System                |
| Companion hardware         | the documented companion module          |
| Field connection           | approved field wiring                    |
| Primary system function    | Provides external Keyphasor terminations |
| Controlled acceptance duty | Phase reference                          |

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Applications and Engineering Context

Phase reference

Provides external Keyphasor terminations

Rotational speed input

Interfaces phase-reference signals

External signal termination

Matches the 3500/25 module

Keyphasor I O renewal

Supports speed and phase processing

TECHNICAL NOTE

Record sensor supply, trigger polarity, hysteresis, external block terminals and cable shield before replacing 126648-01.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

| CHECK              | ACCEPTANCE CONDITION                     |
|--------------------|------------------------------------------|
| Identity           | 126648-01 / 126648-01 recorded           |
| Physical interface | Bently Nevada 3500 System                |
| Companion check    | the documented companion module          |
| Functional proof   | Provides external Keyphasor terminations |
| Application test   | Phase reference                          |

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## Engineering Precautions

- 1 Verify the complete 126648-01 marking and its assigned Bently Nevada 3500 System position before work.
- 2 Place the connected phase reference process in the approved maintenance state.
- 3 Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4 Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5 Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

### RELATED PRODUCTS ON APTER POWER

| MODEL                  | SYSTEM ROLE                           | APTER POWER PAGE                                 |
|------------------------|---------------------------------------|--------------------------------------------------|
| Honeywell 10020 1 2    | Related industrial automation product | <a href="#">View Honeywell 10020 1 2 page</a>    |
| Honeywell 51405098 100 | Related industrial automation product | <a href="#">View Honeywell 51405098 100 page</a> |
| Honeywell 51304518 150 | Related industrial automation product | <a href="#">View Honeywell 51304518 150 page</a> |
| Honeywell 51303979 550 | Related industrial automation product | <a href="#">View Honeywell 51303979 550 page</a> |
| Honeywell 8C TDOD51    | Related industrial automation product | <a href="#">View Honeywell 8C TDOD51 page</a>    |
| Honeywell 38500143 200 | Related industrial automation product | <a href="#">View Honeywell 38500143 200 page</a> |
| Honeywell MC PRHM01    | Related industrial automation product | <a href="#">View Honeywell MC PRHM01 page</a>    |
| Honeywell TC IDA161    | Related industrial automation product | <a href="#">View Honeywell TC IDA161 page</a>    |

### MANUFACTURER SOURCE RECORD

3500/25 Enhanced Keyphasor Module Datasheet

141532 Rev. W

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