

INDUSTRIAL AUTOMATION PRODUCT

136711-02

Barrier I O Module

Bently Nevada 136711-02 is the 3500/61 non-isolated RTD/thermocouple I/O module with internal barriers and internal terminations.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 System
Part number	136711-02

APTER POWER SALES TEAM

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
part number	136711-02
host monitor	3500/61
I/O function	RTD and thermocouple input
isolation	non-isolated
barriers	internal barriers
termination	internal termination
recorder-output host	provided by the 3500/61 system
official publication	141540 Rev. L and 141495

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	Integrates internal barriers
Controlled acceptance duty	Intrinsically safe temperature input

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System Role and Architecture

Bently Nevada 136711-02 is the 3500/61 non-isolated RTD/thermocouple I/O module with internal barriers and internal terminations.

FUNCTION 1

Integrates internal barriers

FUNCTION 2

Uses internal terminations

FUNCTION 3

Matches the 3500/61 monitor

FUNCTION 4

Accepts RTD and thermocouple inputs

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	Integrates internal barriers
Controlled acceptance duty	Intrinsically safe temperature input

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Applications and Engineering Context

Intrinsically safe temperature input

Integrates internal barriers

Internal RTD termination

Uses internal terminations

Internal thermocouple termination

Matches the 3500/61 monitor

3500/61 I O replacement

Accepts RTD and thermocouple inputs

TECHNICAL NOTE

Verify the hazardous-area drawing, barrier entity parameters, channel sensor type and recorder configuration before replacing 136711-02.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	136711-02 / 136711-02 recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Integrates internal barriers
Application test	Intrinsically safe temperature input

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Engineering Precautions

1

Verify the complete 136711-02 marking and its assigned Bently Nevada 3500 System position before work.

2

Place the connected intrinsically safe temperature input 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.

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ABB 3BSE004725R1 DSTD196	Related industrial automation product	View ABB 3BSE004725R1 DSTD196 page

MANUFACTURER SOURCE RECORD

3500/60 and 3500/61 Temperature Modules Datasheet and 3500/04 Internal Barriers Datasheet

141540 Rev. L; 141495

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