# 01 / Identity and job scope

BENTLY NEVADA

# 3300-05-27-00-01

## Monitoring Rack

### Product role

Bently Nevada 3300-05-27-00-01 is an eight-position 3300 monitoring rack with EIA mounting, supporting a power supply, system monitor and monitoring modules.

| Power | > | System | > | Monitoring |
|---|---|---|---|---|
| Position 1 | | Position 2 | | Six remaining positions |

### Applicability

The 3300/05-27-00-01 rack ordering definition applies to the offered 3300-05-27-00-01 identity. Installed power supplies, monitors and rear modules are separate supply items unless itemized.

### Hardware and configuration

Bently Nevada 3300-05-27-00-01 corresponds to the 3300/05 rack with size option 27, an eight-position arrangement for EIA mounting. Mounting option 01 provides the applicable EIA mounting arrangement. Agency option 00 specifies no requested agency approval and must not be represented as a hazardous-area-certified rack selection.

### Planning basis

This Apter Power guide supports identification and engineering planning. Apply the complete manufacturer and machine-builder procedures for the actual installation.

# 02 / Configuration and interface readiness

| Item | Configuration relationship |
| --- | --- |
| Product type | 3300/05 mounting rack |
| Rack option | 27: Eight-position, EIA mounting |
| Mounting option | 01: Weatherproof-housing or EIA mounting arrangement |
| Agency approval option | 00: Not required |
| Power supply position | Position 1 |
| System monitor position | Position 2 |
| Remaining monitor positions | Six; module space requirements apply |

## Technical context

Position 1 at the left is reserved for the power supply and position 2 for the system monitor. The remaining six positions accept the required combination of 3300 monitoring modules, subject to each module's space requirements. Each monitor position also has a rear position for the associated Signal Input/Relay Module, so front and rear hardware must be planned together.

## Which position is reserved for the system monitor in 3300-05-27-00-01?

Position 2, immediately beside the power supply, is reserved for the system monitor.

## Does 3300-05-27-00-01 provide rear signal-module positions?

Yes. Each monitor position includes a position at the rear for its associated Signal Input/Relay Module. Plan the correct rear hardware with the front module.

# 03 / Installation and connection decisions

## Allocate every position

Reserve positions 1 and 2 and account for monitors that occupy more than one remaining position.

## Match front and rear modules

Check the required Signal Input/Relay Module and field connection arrangement for each monitor.

## Verify panel mounting

Match the EIA mounting arrangement and support the assembled rack in the intended enclosure.

## Provide service access

Allow access for removal of front modules and work on rear modules and wiring.

## Installation context

The sectional rack mainframe uses conductive, anti-static injection-molded material to dissipate electrostatic discharge. The modular construction removes the need for internal rack wiring and supports expansion of the monitoring installation. Bezel identification can use engraved tags or paper labels protected by clear strips; identify every machine point and allow service access to both sides of the rack.

## What does mounting option 01 mean for 3300-05-27-00-01?

It identifies the arrangement used for a weatherproof housing or EIA rack mounting. It does not by itself mean that a separate weatherproof enclosure is included.

## Does 3300-05-27-00-01 include an internal barrier bar?

The 27 size selection is the eight-position EIA rack. The internal-barrier-bar rack selections are a different ordering group; do not infer a barrier bar for this reference.

# 04 / Functional acceptance planning

| Application | Controlled review |
| --- | --- |
| 3300 system assembly | Mount a power supply, system monitor and selected 3300 monitoring modules in one organized rack arrangement. |
| Panel integration | Use the selected EIA mounting arrangement in a suitable panel or enclosure, with access for front modules and rear connections. |
| Signal and relay organization | Coordinate each front monitor with its rear Signal Input/Relay Module position and the required field connections. |
| Machine-point identification | Use the rack bezel tags to identify machine points or loop references consistently with the maintenance record. |

## How does 3300-05-27-00-01 manage electrostatic discharge?

The mainframe sections use conductive anti-static injection-molded material to dissipate electrostatic discharge. Appropriate handling precautions still apply to installed electronics.

## Can six individual monitors always be installed in 3300-05-27-00-01?

There are six available monitor positions, but some monitor designs occupy more than one position. Allocate positions according to the actual module widths and rear-module requirements.

### Release boundary

Check the assembled monitoring system and its configured functions before returning machine protection to service.

**Record**
Keep the original configuration

>

**Test**
Observe controlled response

>

**Release**
Authorize normal operation

# 05 / Technical handover and support

## Retained information

Keep the complete 3300-05-27-00-01 marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

## Support planning

Confirm current support and replacement guidance with Bently Nevada for the installed identity and configuration. Apter Power availability and dispatch are separate quotation matters.

## Reference basis

Bently Nevada 3300/05 Rack, 141492-01 Rev. F.

Apter Power technical summary. Apply the original instructions for the actual installation.

## Related industrial automation products

Navigation only; no substitution or compatibility claim.

**Bently Nevada 330702-00-30-10-01-05**

**Bently Nevada 330730-080-00-00**

**Bently Nevada 330780-90-CN**

## Discuss your installed configuration

Send the full unit marking and connection details.

sales13@apterpower.com | +86 18030235313