01 / PREPARE THE COVER TASK

Scope the work

Identify whether the maintenance request is for one 128031-01 I/O cover or a complete full-height kit. Confirm the rack position, access direction and separately supplied fastening parts before work.

Preparation and release record

Identity	Compare exact 128031-01 label and receiving record
Position	Confirm the intended I/O-side cover location
Access	Determine rear or front access from the rack format
Parts	Reconcile cover, 04310251 screws and front panel if required
Condition	Inspect receiving points, cover and nearby cable routing
Fitting	Use the rack maintenance procedure; do not invent torque
Acceptance	Check seating, retained hardware and surrounding access
Record	Retain part numbers, rack position and service observations

Kit reconciliation

A front panel and an I/O cover are separate service identities. If both sides of a full-height blank position need the complete documented arrangement, identify kit 130768-01. If only the I/O cover is requested, retain 128031-01 and reconcile its fastening parts separately.

Site procedure

Arrange access and the affected rack maintenance state using the plant and rack instructions. These preparation checks are recommendations for service planning; they add no new material, torque or approval specification.

Related 3500 catalog

Bently Nevada 3500/05-01-02-00-00	Related rack catalog; compare component role
Bently Nevada 3500/32M	Related rack catalog; compare component role

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02 / IDENTIFY RACK ACCESS

Rack format and access

Panel mount	Rear wiring and I/O access
EIA rack mount	Rear wiring and I/O access
Bulkhead mount	Front wiring and I/O access; unavailable in mini-rack

Host-system context

Full-size rack	14 available module positions
Mini-rack	7 available module positions
Dedicated left positions	Power supplies and rack interface
Internal-barrier rack	3500/04-01 earthing module needs a dedicated position
Mini-rack in EIA frame	144863-01 adapter panel required
Mini-rack software context	3500/01 Version 2.70 or later

Preserve system architecture

A rack with internal barriers needs its documented earthing module in a dedicated position. Cover service must preserve that installed architecture. This I/O-cover identity is not an internal barrier, earthing module or a substitute for its circuit provisions.

Record the location

Record the rack format and intended I/O-side position. Identify adjacent modules and cable routes before opening the work area; the access direction is a host-rack fact, not a new mounting option encoded into 128031-01.

Review referenced instructions

The rack spare list names manual 129766-01 and drawing set 130432-01. Obtain the instructions applicable to the installed rack before relying on a screw selection or service-access sequence.

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03 / FIT AND INSPECT

Before fitting

Place the affected rack work under the site maintenance procedure. Identify the receiving cover position and preserve the nearby module and wiring arrangement.

Compare physical parts

Inspect the replacement cover and receiving location for visible damage, obstruction and alignment. A matching part number does not justify forcing a damaged fit.

Reconcile hardware

Identify screw part 04310251 and the listed quantity of two. Keep front-panel fasteners separate from the I/O-cover screws in the service record.

Follow the rack procedure

Use the applicable installation and maintenance instructions for fitting and fastening. No cover-specific torque or screw thread specification is provided by the cited spare list.

Preserve adjacent hardware

Keep modules, guides, cabling and internal-barrier provisions in their documented positions. Avoid treating a blanking operation as a module or circuit upgrade.

Inspect the fitted condition

Check that the cover is seated and retained, with no loose hardware or interference at adjacent access points. Resolve an unexpected gap or binding before release.

Known fastening relationship

Cover	128031-01; one I/O cover in the full-height kit
Hardware	04310251; two screws listed
Separate front panel	130944-01; its own supplied screws

If fitting is unexpected

Stop if the cover binds, the hardware cannot be reconciled or nearby access is obstructed. Compare the receiving position and actual part with the rack records. Do not drill, trim or use an unlisted fastening substitute to conceal an identity or fit discrepancy.

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04 / ACCEPT AND DOCUMENT

Acceptance evidence

Identity	Compare exact 128031-01 label and receiving record
Position	Confirm the intended I/O-side cover location
Access	Determine rear or front access from the rack format
Parts	Reconcile cover, 04310251 screws and front panel if required
Condition	Inspect receiving points, cover and nearby cable routing
Fitting	Use the rack maintenance procedure; do not invent torque
Acceptance	Check seating, retained hardware and surrounding access
Record	Retain part numbers, rack position and service observations

Mechanical acceptance

Inspect the fitted cover's seating and retention, nearby access and the work area for loose hardware. Record any discrepancy and resolve it using the applicable rack instructions before closing the maintenance task.

System acceptance boundary

A cover check is not calibration of a monitor or verification of a field measurement channel. If the work also affected modules, wiring or rack configuration, complete the corresponding system checks under their own instructions.

Fields requiring the actual rack procedure

Material and finish	Not specified for this cover in the cited rack datasheet
Cover tightening torque	Use the applicable rack maintenance instructions
Standalone cover approval	Not established by the rack certification table
Electrical I/O performance	Do not assign monitor-module data to a cover

Final record

Keep the cover part, rack position, hardware supplied and observed fit with the asset history. Record what was inspected instead of assigning unsupported cover electrical or environmental ratings.

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05 / SERVICE QUESTIONS AND CATALOG

Does Bently Nevada 128031-01 identify the whole blank cover kit?

No. The full-height kit is ordered as 130768-01 and includes a front panel, this I/O cover and the listed cover screws. The individual cover number is not the kit number.

Which screws are listed for Bently Nevada 128031-01?

The I/O cover uses screw part 04310251, with two screws listed. The cover entry directs the buyer to order that screw part separately.

Where is the fitting procedure for Bently Nevada 128031-01 referenced?

The rack list names Installation and Maintenance Manual 129766-01 and Field Wiring Diagrams 130432-01. Datasheet 141525 identifies the spare but does not provide a cover-specific tightening torque.

Related 3500 catalog

Bently Nevada 3500/60	Related rack catalog; compare component role
Bently Nevada 3500/45	Related rack catalog; compare component role
Bently Nevada 3500/20	Related rack catalog; compare component role
Bently Nevada 3500/40M	Related rack catalog; compare component role

Catalog boundary

The links identify other 3500 catalog products for independent comparison. A cover has a different role from a powered monitor, relay module or rack interface. These recommendations establish neither a substitution nor the fit of this cover to another individual module.

Manufacturer reference

3500/05 System Rack, Datasheet 141525 Rev. N. Rack architecture and I/O access: p. 1; system approval context: p. 2; rack choices and other spares: p. 3; 128031-01, kit and fasteners: p. 4. Rack fitting instructions are referenced as 129766-01. Field Wiring Diagrams are referenced as 130432-01. The checks here are service guidance, not additional cover ratings.

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