

Bently Nevada — 3500 System

135489-04

3500/40M Proximitor I/O Module with Internal Barriers and Internal Terminations

Verified product identity

Bently Nevada **135489-04** is the rear-slot I/O module for a 3500/40M Proximitor Monitor configuration that requires both internal intrinsic-safety barriers and internal field terminations.

Verified model-specific data

Manufacturer	Bently Nevada
Spare part number	135489-04
Official description	Proximitor I/O Module with Internal Barriers and Internal Terminations
Compatible monitor	3500/40M Proximitor Monitor
Rack position	One full-height rear slot
Intrinsic-safety arrangement	Internal barriers
Field termination	Internal terminations
Required earthing module	3500/04-01 IS Earthing Module
External termination	Not available for this internal-barrier I/O module
Dimensions (W × H × D)	2.44 × 24.13 × 16.31 cm
Net module weight	0.46 kg
Operating temperature	0 to 65°C
Storage temperature	-40 to 85°C
Relative humidity	95%, non-condensing

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Compatibility and installation requirements

- Install the required 3500/04-01 IS Earthing Module and verify the documented intrinsic-safety earth connection before energizing the rack.
- Do not use 135489-04 in a Triple Modular Redundant (TMR) rack; internal-barrier I/O modules are not permitted in that configuration.
- Allow approximately 5.0 cm of additional rear clearance because the internal barriers increase the rack depth.
- Use 3500 Rack Configuration Software version 2.3 or later; no 3500/40M monitor firmware revision is required solely for this barrier option.

Supported transducer-system boundary

- The internal-barrier 3500/40M arrangement supports documented 3300 XL, 3300 5 mm, 3300 XL 8 mm, 3300 RAM and 7200 5 mm / 8 mm proximity systems.
- It does not support 11 mm, 14 mm, 16 mm, 25 mm, 35 mm or 50 mm Proximitor transducer systems.
- Velocity-to-displacement converters are not supported with this internal-barrier I/O module.

Installation and commissioning checks

- Confirm that spare part 135489-04, the paired 3500/40M monitor, the transducer family and every channel option match the saved rack configuration.
- Inspect barrier seating, internal terminals, earth continuity and rear-rack clearance before applying power.
- After configuration, verify each channel reading, alarm status and Not OK behavior against the installed transducer system before returning the machine to service.

Official basis: Bently Nevada 3500/40M Proximitor Monitor Datasheet 141535, Rev. R; Bently Nevada 3500/04 Internal Barriers Datasheet 141495, Rev. R.