

BENTLY NEVADA 3500/22M TDI SYSTEM

Product Data Sheet

146031-01

Copper Ethernet I/O module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Copper Ethernet I/O module	Bently Nevada 3500/22M TDI system	United States	0.2 kg

3500 System 146031-01 is a Copper Ethernet I/O module for the Bently Nevada 3500/22M TDI system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

I/O Module Variant	10Base-T/100Base-TX copper Ethernet
Associated TDI	3500/22M Transient Data Interface
Network Connector	RJ-45 shielded copper interface
Ethernet Standards	IEEE 802.3 compliant operation
Supported Data Rates	10 or 100 Mbit/s autosensing
Communication Protocols	BN Host and BN TDI protocols
Maximum Cable Length	100 m copper network segment
OK Relay Function	Normally energized rack status relay
Standard Relay Rating	5 A at 24 V DC
Maximum Switched Power	120 W or 600 VA

ADDITIONAL PRODUCT DATA

Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +85°C
Humidity Limit	95% noncondensing environment
Rack Space Requirement	One full-height rear slot
I/O Module Dimensions	24.13 × 2.44 × 9.91 cm

OFFICIAL APPLICATIONS

- Connect the|3500 rack to Ethernet: Provide the 3500/22M TDI with an autosensing 10Base-T or 100Base-TX copper link through the documented shielded RJ-45 network connection.
- Exchange the|condition monitoring data: Carry BN TDI protocol data between the rack and System 1 condition monitoring software while preserving the approved network addressing and topology.
- Support the|configuration and display tools: Use BN Host Protocol over Ethernet for 3500 configuration, data acquisition and display software within the documented 100 m cable limit.

SYSTEM COMPATIBILITY

Match 146031-01 to the installed Bently Nevada 3500/22M TDI system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Bently Nevada 3500/22M Transient Data Interface Module Datasheet 161581 Rev AC

<https://dam.bakerhughes.com/m/3067f290d79c13de/original/3500-22M-Transient-Data-Interface-Module-Datasheet-161581-pdf.pdf>

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