

125760-01

Data Manager I/O Module

Bently Nevada 125760-01 is the Data Manager I/O module for the 3500/20 Rack Interface Module. It transfers static and dynamic rack data to supported external communication and acquisition processors.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3500/20 Rack Interface System

PART

125760-01

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PRODUCT OVERVIEW

Bently Nevada 125760-01 is the Data Manager I/O module for the 3500/20 Rack Interface Module. It transfers static and dynamic rack data to supported external communication and acquisition processors.

- 1

Provides two proprietary data-interface port sets at the rear of a 3500 rack
- 2

Transfers static and dynamic monitoring data to supported external processors
- 3

Connects the rack to TDXnet, TDIX or DDIX acquisition architectures
- 4

Maintains the short, fixed-rate communications path specified for the Data Manager interface

SYSTEM COMPONENTS

3500 rack rear slot

3500/20 RIM

TDXnet, TDIX or DDIX processor

Approved static and dynamic data cables

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/40M 176449-01	Four-channel Proximitor monitor	Open product page
125680-01	Internal-termination Proximitor I/O module	Open product page
125720-01	Four-channel relay output module	Open product page
125768-01	3500 RIM RS232/RS422 I/O module	Open product page
128240-01	External-termination Prox/Seismic I/O	Open product page

TECHNICAL DATA

PARAMETER	VALUE
I/O module type	Data Manager
Communication port sets	2
Protocol	Bently Nevada proprietary
Data rate	9600 baud fixed
Static data processors	TDIX; DDIX
Dynamic data processors	TDIX; DDIX

PARAMETER	VALUE
Maximum cable length	3 m
Rack connector interface	RS422
Rack connector data rate	38.4 kbaud maximum
Rear rack space	1 full-height slot
Matched front module	3500/20 RIM

TECHNICAL NOTE

Preserve both port-set identities and cable destinations, keep the data cables within the documented length and verify static plus dynamic data transfer before placing the acquisition system back in service.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Transient-data collection

Provides two proprietary data-interface port sets at the rear of a 3500 rack

Dynamic waveform acquisition

Transfers static and dynamic monitoring data to supported external processors

Rack static-value export

Connects the rack to TDXnet, TDIX or DDIX acquisition architectures

Legacy DDIX or TDIX interface restoration

Maintains the short, fixed-rate communications path specified for the Data Manager interface

PRODUCT PRECAUTIONS

- 1 Match 125760-01 to the rear slot of the designated 3500/20 RIM.
- 2 Stop external acquisition sessions before disconnecting either Data Manager port set.
- 3 Label static and dynamic data cables separately at both ends.
- 4 Do not substitute a host-configuration serial cable for the Data Manager connection.
- 5 Keep each TDIX or DDIX cable path within the published three-metre limit.
- 6 Inspect rear connectors and use ESD controls before inserting the module.
- 7 Restore the original external-processor channel and rack assignment.
- 8 Confirm both static values and dynamic waveform data after restart.

ENGINEER FAQ

Q1 Which configuration should be restored after replacing 125760-01?

Restore the approved 3500/20 Rack Interface System slot, channel or interface configuration and verify that every connected circuit retains its original assignment.

Q2 How can 125760-01 be commissioned for transient-data collection?

Apply a controlled input or command, review the model-specific diagnostics and prove the expected measurement, indication and protection response before releasing the channel.

Q3 What technical value deserves special attention when checking 125760-01?

Verify the published data rate value of 9600 baud fixed against the installed configuration and test record.

Q4 Can 125760-01 be exchanged with another 3500 I/O or monitor execution?

Only when the complete part number, termination style, transducer or interface type and approved rack configuration match the installed duty; do not transfer settings from an adjacent model.

Q5 What evidence should be retained after 125760-01 returns to service?

Retain the full 125760-01 identity, as-left connections, restored configuration, final diagnostics and the controlled functional-test result for dynamic waveform acquisition.

Q6 Which rack hardware must be matched before installing 125760-01?

Match 125760-01 to the documented 3500 rack rear slot and 3500/20 RIM; confirm the front/rear slot pairing and the complete physical marking before connection.

Q7 What as-found information should an engineer record before removing 125760-01?

Record every channel or port assignment, connector identity, configured function, cable tag and diagnostic state associated with 125760-01.

Q8 How should 125760-01 be isolated before field wiring is disturbed?

Place the protected machine in its approved maintenance state, isolate rack and field energy applicable to TDXnet, TDIX or DDIX processor, and prove the terminals safe before disconnection.